

Data File : VN057755.D
Acq On : 7 Sep 2019 15:50
Operator : JC/SP
Sample : K4581-26
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-C1-(3.5)

Quant Time: Sep 08 06:35:51 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	208884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	331224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	304902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	158373	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	250095	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.58	113	155228	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.09	98	582099	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.40	95	210440	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	

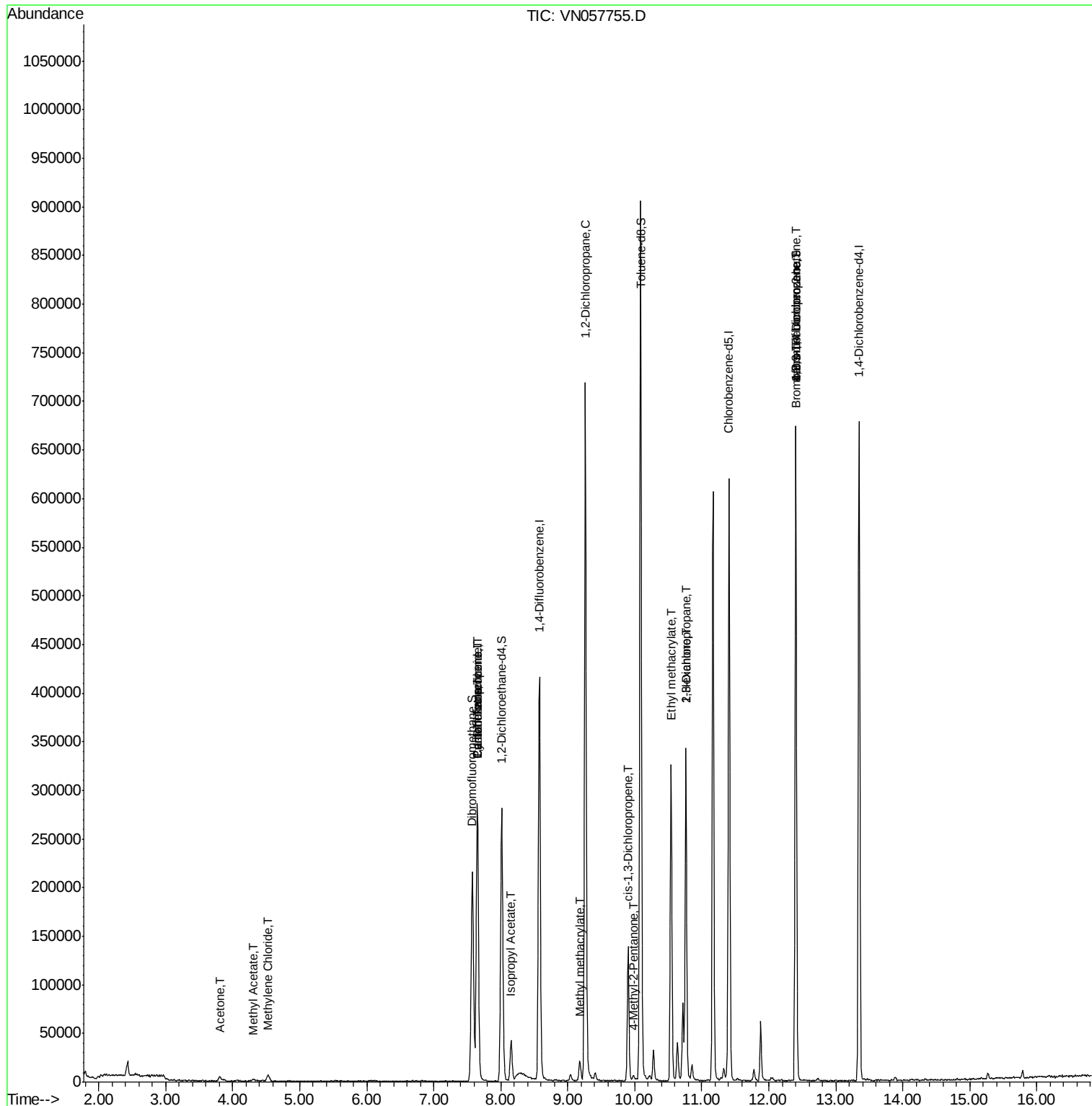
Target Compounds			Qvalue			
3) Chloromethane	2.03	50	754	Below Cal	#	77
16) Acetone	3.80	43	8640	5.525	ug/l #	84
18) Methyl Acetate	4.31	43	2255	0.530	ug/l #	76
20) Methylene Chloride	4.52	84	1471	0.435	ug/l #	70
31) Cyclohexane	7.65	56	6636	1.163	ug/l #	22
36) 1,1-Dichloropropene	7.65	75	19645	4.458	ug/l #	51
38) Carbon Tetrachloride	7.65	117	22410	5.311	ug/l #	16
43) Isopropyl Acetate	8.15	43	49314	5.873	ug/l	99
45) 1,2-Dichloropropane	9.26	63	716	0.205	ug/l #	44
48) Methyl methacrylate	9.18	41	3165	0.733	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	3175	0.681	ug/l	98
54) cis-1,3-Dichloropropene	9.90	75	21184	4.113	ug/l #	65
56) Ethyl methacrylate	10.54	69	1107	0.228	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	3129	0.573	ug/l #	43
59) 2-Hexanone	10.76	43	58090	17.666	ug/l #	58
71) Bromoform	12.39	173	359	3.404	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	129795	35.689	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	129795	110.993	ug/l #	1

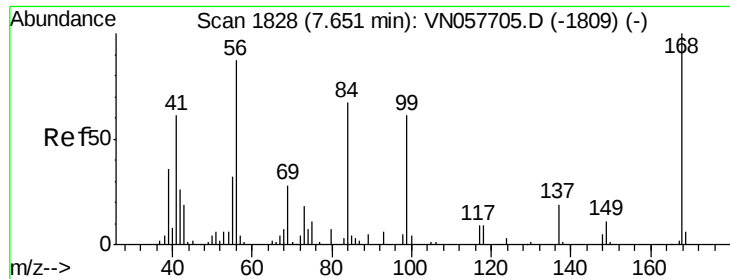
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057755.D

Acq: 7 Sep 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

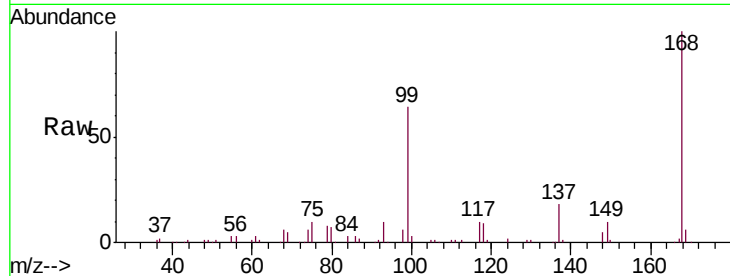
T12-C1-(3.5)

Tgt Ion:168 Resp: 208884

Ion Ratio Lower Upper

168 100

99 64.2 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): VN057755.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN057755.D (-1735) (-)

7.65

80000

60000

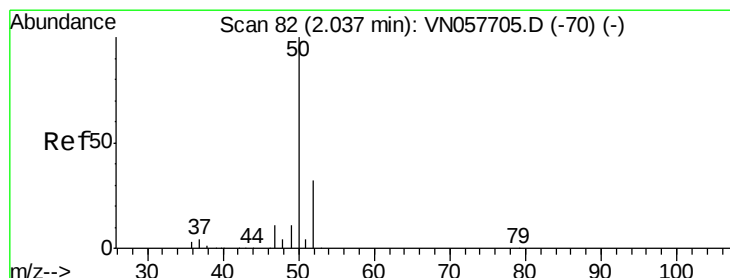
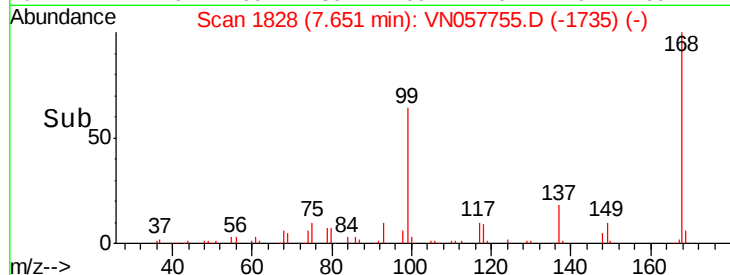
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.01 min

Lab File: VN057755.D

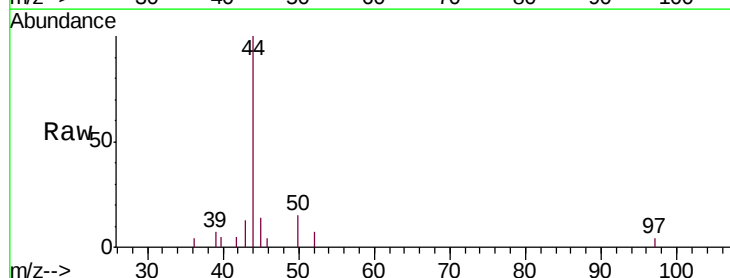
Acq: 7 Sep 2019 15:50

Tgt Ion: 50 Resp: 754

Ion Ratio Lower Upper

50 100

52 45.6 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN057755.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN057755.D (-1) (-)

2.03

600

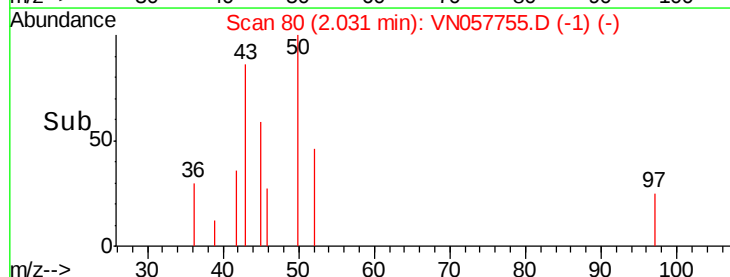
400

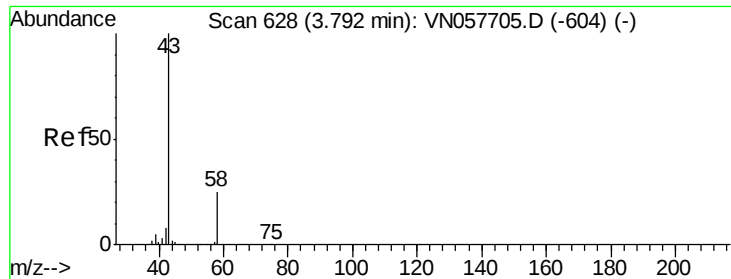
200

0

2.00 2.02 2.04 2.06

Time-->

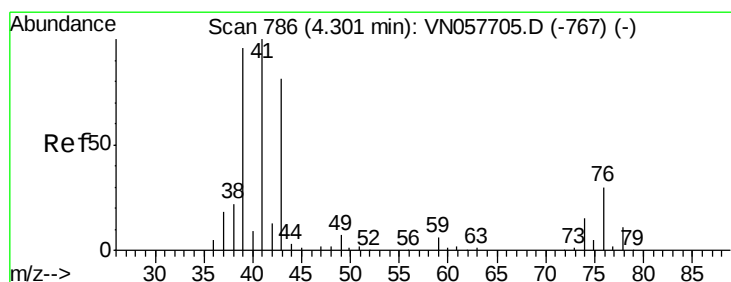
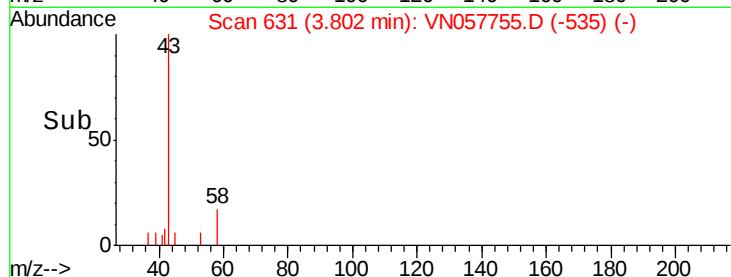
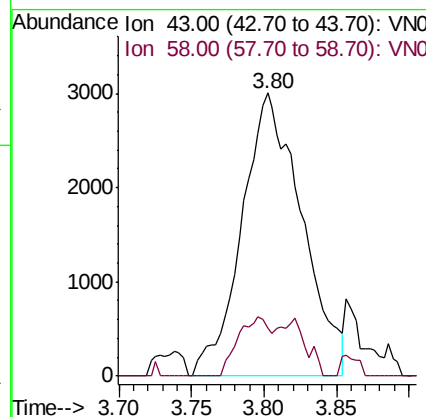
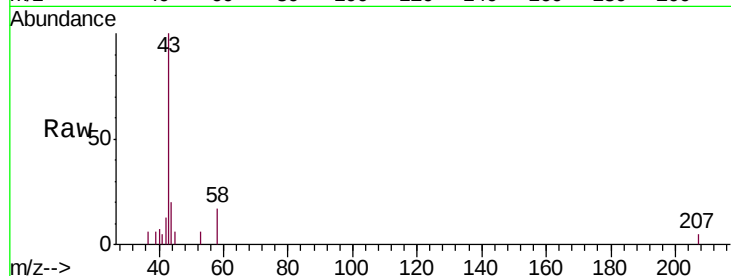




#16
Acetone
Concen: 5.525 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN057755.D
Acq: 7 Sep 2019 15:50

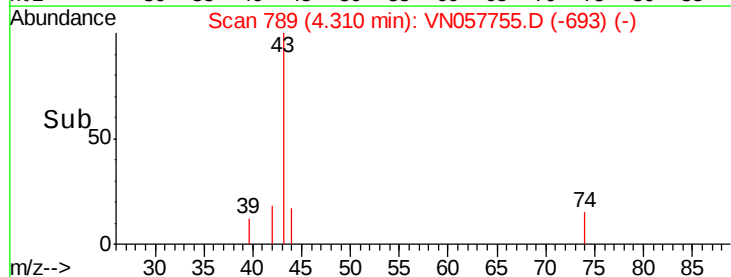
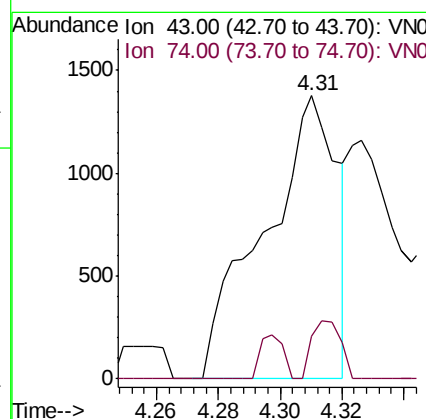
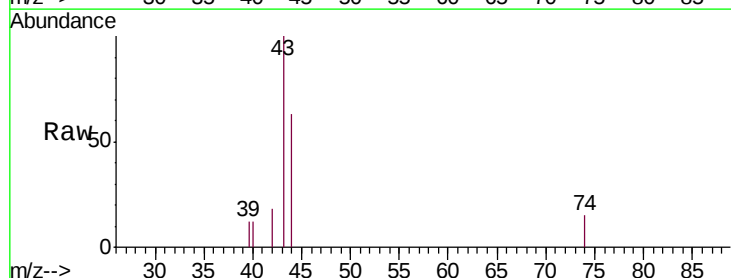
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T12-C1-(3.5)

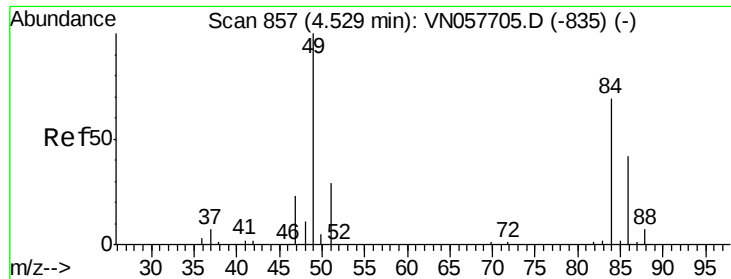
Tgt Ion: 43 Resp: 8640
Ion Ratio Lower Upper
43 100
58 16.7 19.8 29.8#



#18
Methyl Acetate
Concen: 0.530 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN057755.D
Acq: 7 Sep 2019 15:50

Tgt Ion: 43 Resp: 2255
Ion Ratio Lower Upper
43 100
74 8.1 15.3 22.9#

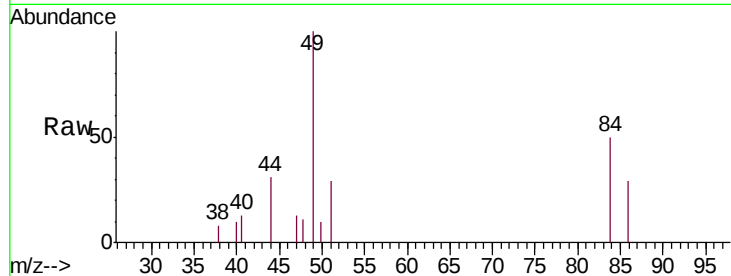




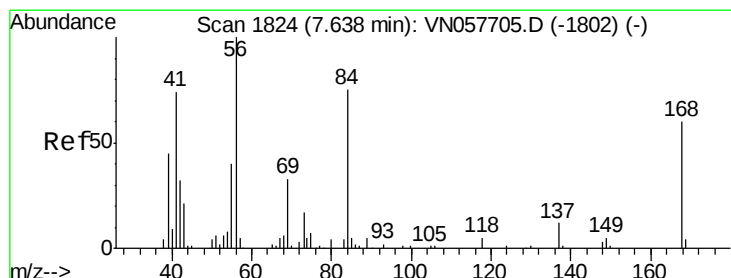
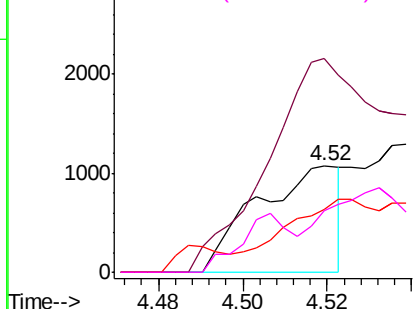
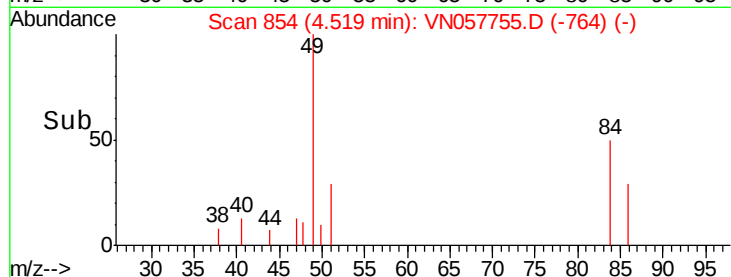
#20
Methylene Chloride
Concen: 0.435 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.01 min
Lab File: VN057755.D
Acq: 7 Sep 2019 15:50

Instrument :
MSVOA_N
ClientSampled :
T12-C1-(3.5)

Tgt Ion: 84 Resp: 1471
Ion Ratio Lower Upper
84 100
49 200.2 115.0 172.6#
51 32.7 33.8 50.8#
86 57.9 48.2 72.2

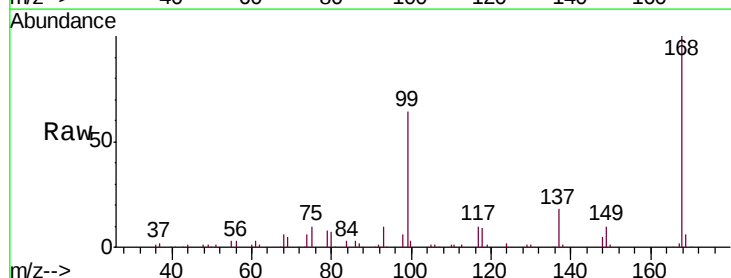


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

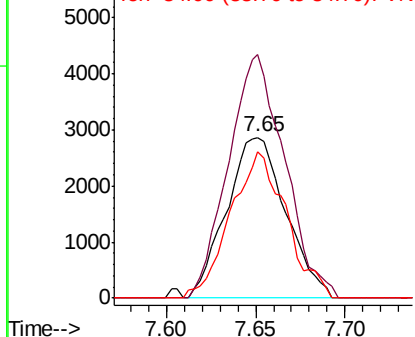
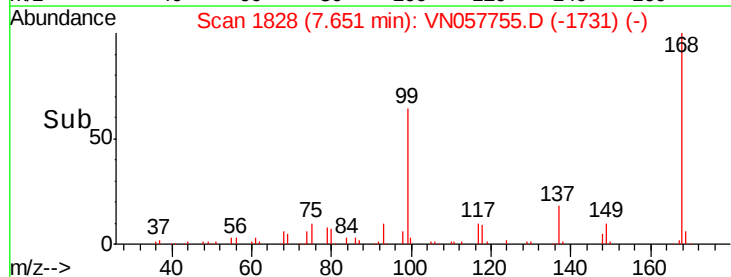


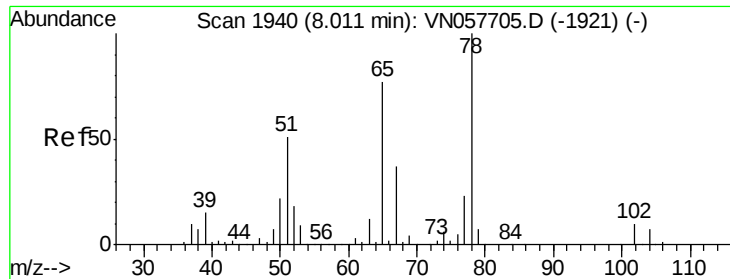
#31
Cyclohexane
Concen: 1.163 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057755.D
Acq: 7 Sep 2019 15:50

Tgt Ion: 56 Resp: 6636
Ion Ratio Lower Upper
56 100
69 151.8 26.2 39.2#
84 91.0 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

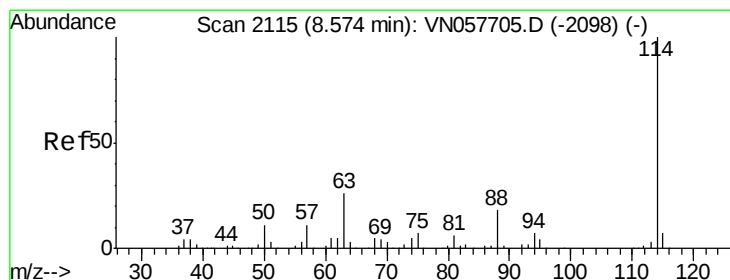
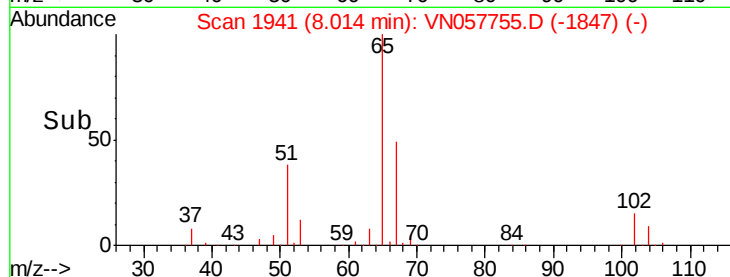
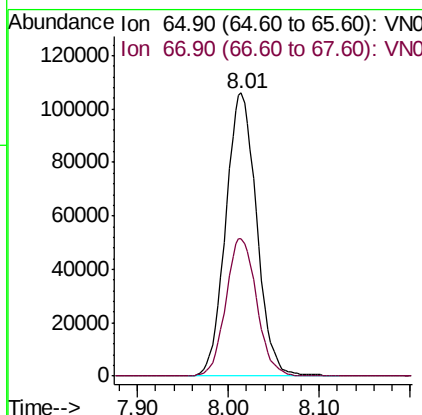
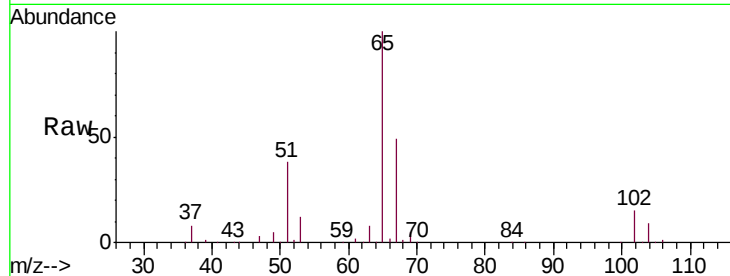




#33
 1,2-Dichloroethane-d4
 Concen: 49.217 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057755.D
 Acq: 7 Sep 2019 15:50

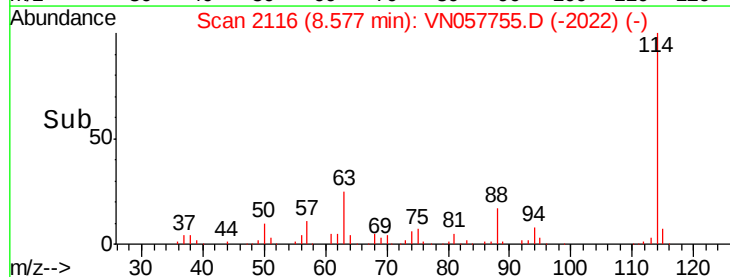
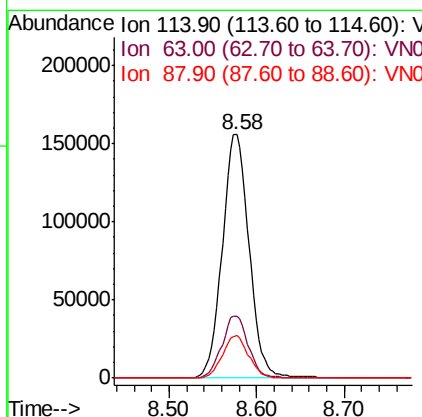
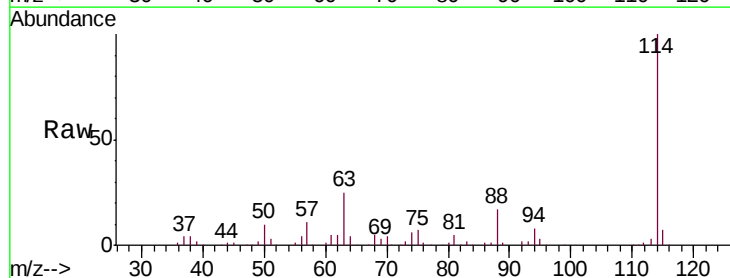
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-C1-(3.5)

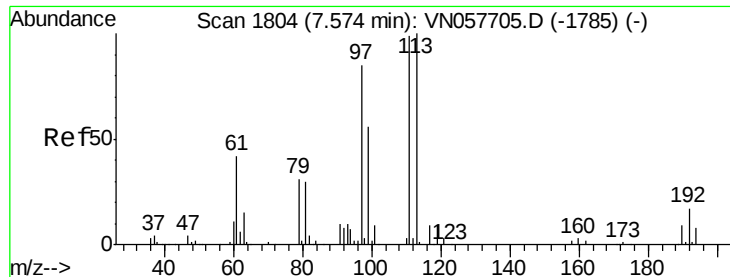
Tgt Ion: 65 Resp: 250095
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057755.D
 Acq: 7 Sep 2019 15:50

Tgt Ion: 114 Resp: 331224
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 52.4
 88 17.3 0.0 35.4

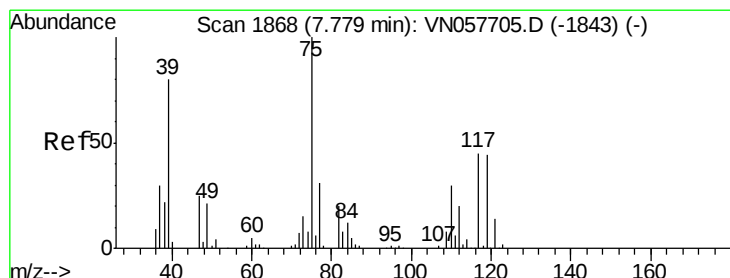
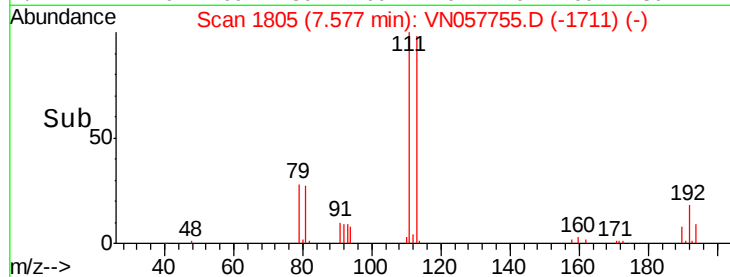
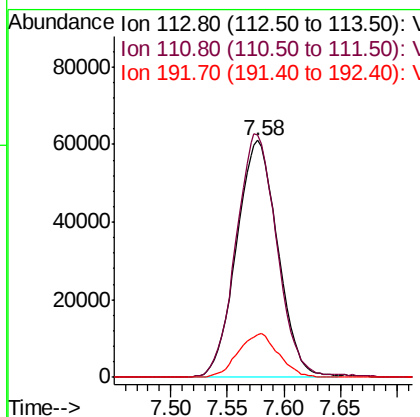
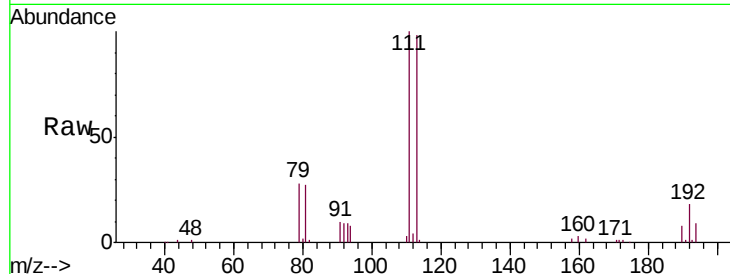




#35
 Dibromofluoromethane
 Concen: 51.452 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057755.D
 Acq: 7 Sep 2019 15:50

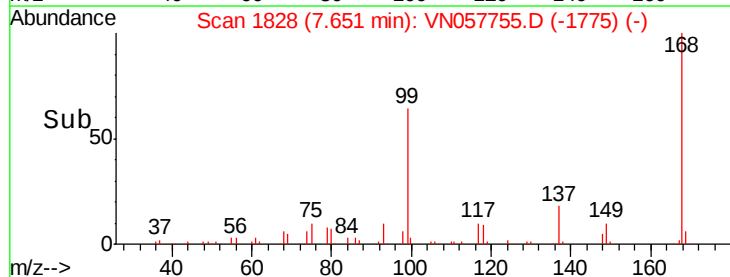
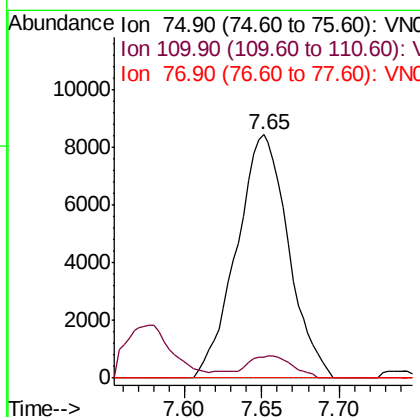
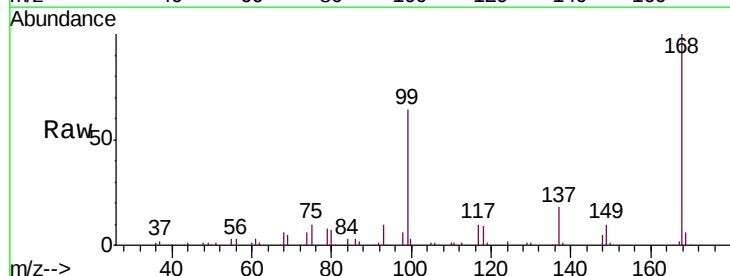
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-C1-(3.5)

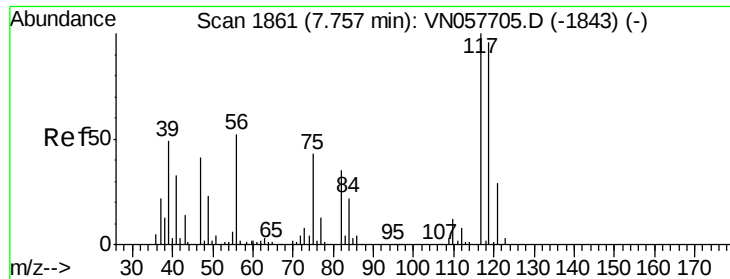
Tgt Ion:113 Resp: 155228
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.7 124.1
 192 17.9 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 4.458 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057755.D
 Acq: 7 Sep 2019 15:50

Tgt Ion: 75 Resp: 19645
 Ion Ratio Lower Upper
 75 100
 110 7.9 15.0 45.0#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.311 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN057755.D

Acq: 7 Sep 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

T12-C1-(3.5)

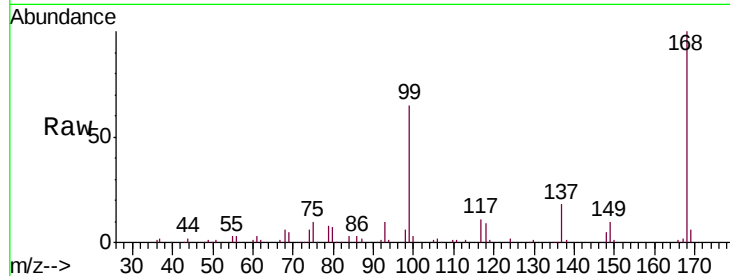
Tgt Ion:117 Resp: 22410

Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

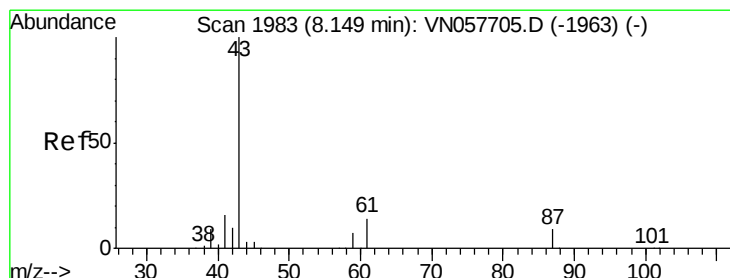
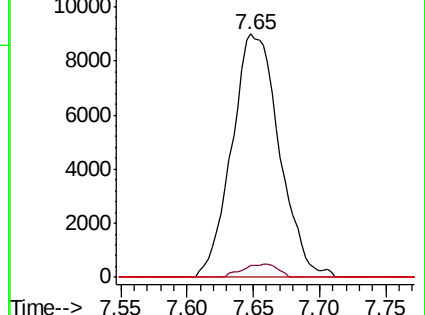
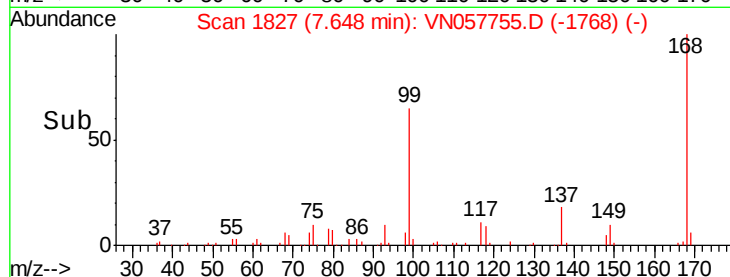
121 0.0 23.4 35.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 5.873 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057755.D

Acq: 7 Sep 2019 15:50

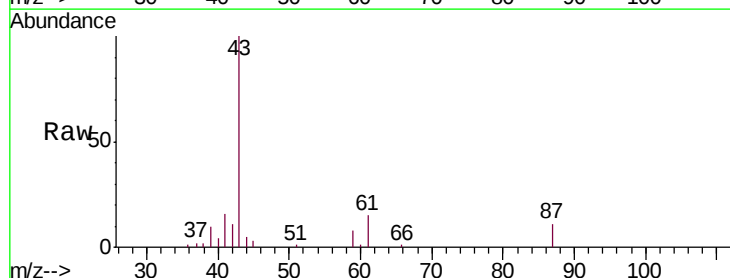
Tgt Ion: 43 Resp: 49314

Ion Ratio Lower Upper

43 100

61 16.3 12.8 19.2

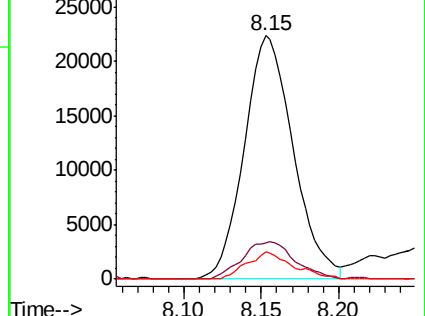
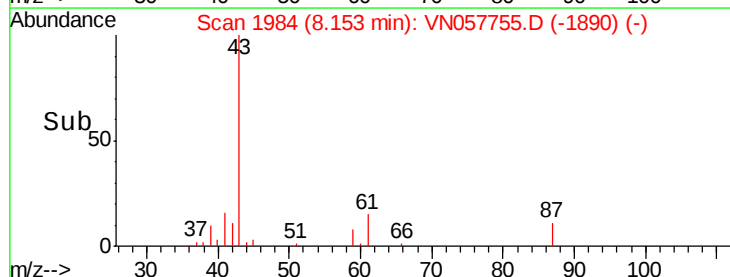
87 10.5 7.8 11.8

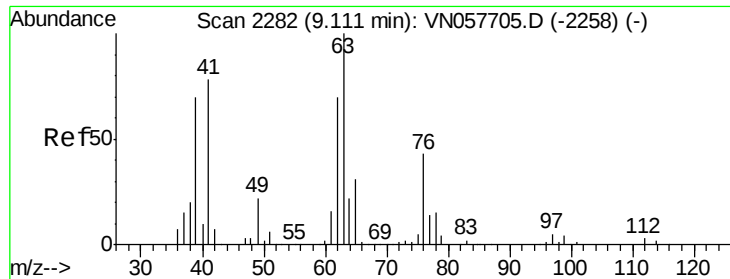


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

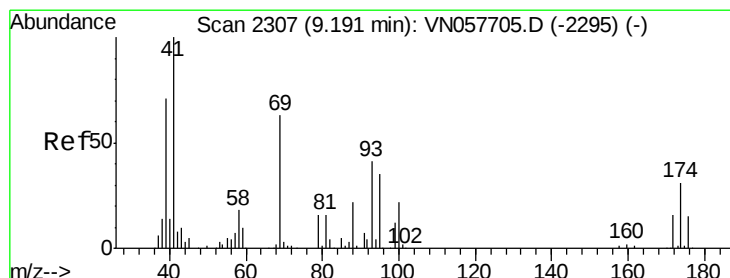
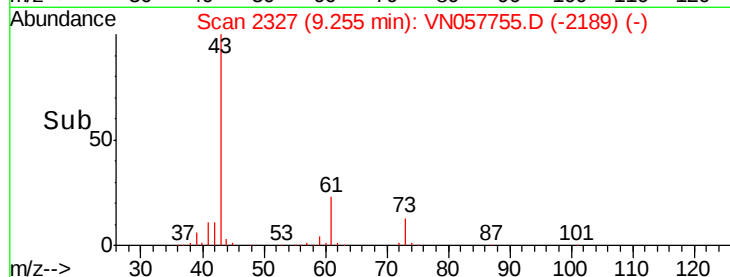
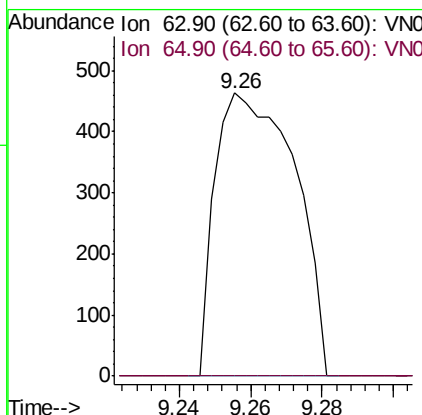
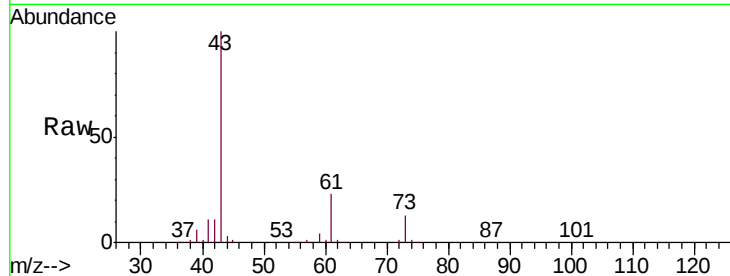




#45
 1,2-Dichloropropane
 Concen: 0.205 ug/l
 RT: 9.26 min Scan# 2327
 Delta R.T. 0.14 min
 Lab File: VN057755.D
 Acq: 7 Sep 2019 15:50

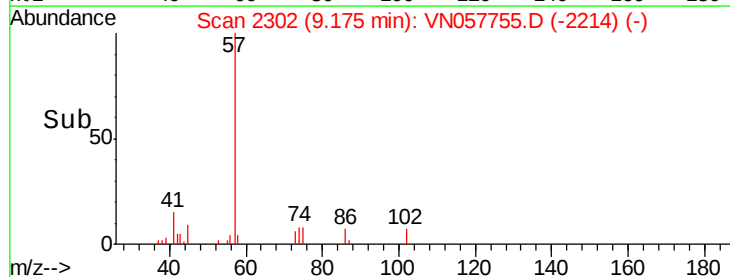
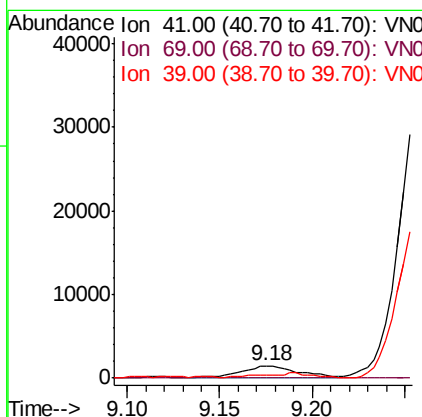
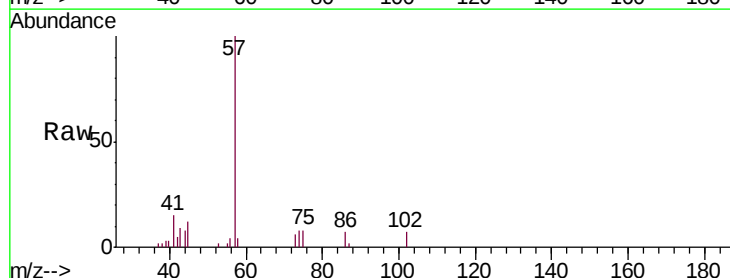
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 T12-C1-(3.5)

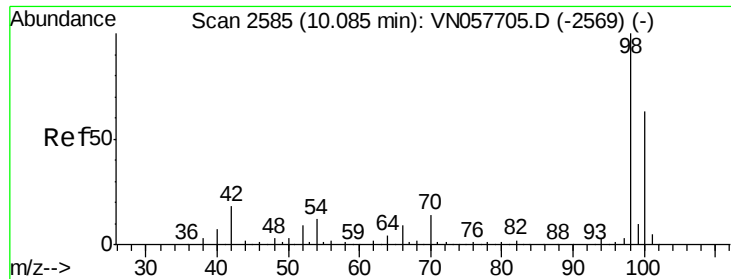
Tgt Ion: 63 Resp: 716
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.5 36.7#



#48
 Methyl methacrylate
 Concen: 0.733 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.02 min
 Lab File: VN057755.D
 Acq: 7 Sep 2019 15:50

Tgt Ion: 41 Resp: 3165
 Ion Ratio Lower Upper
 41 100
 69 0.0 51.2 76.8#
 39 0.0 57.3 85.9#





#50

Toluene-d8

Concen: 52.158 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057755.D

Acq: 7 Sep 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

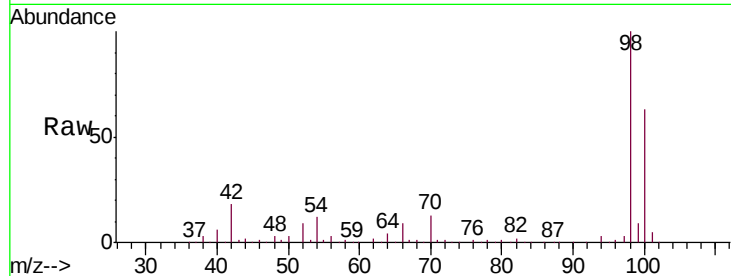
T12-C1-(3.5)

Tgt Ion: 98 Resp: 582099

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) (-)

Ion 100.00 (99.70 to 100.70): VN057705.D (-2569) (-)

10.09

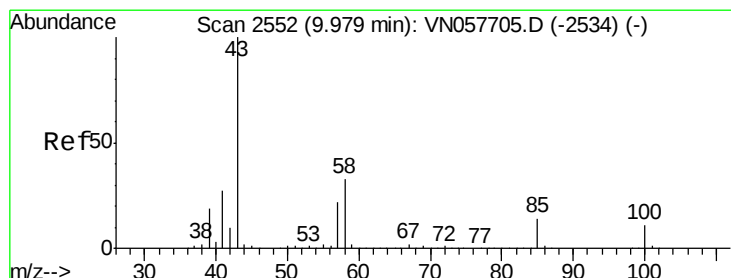
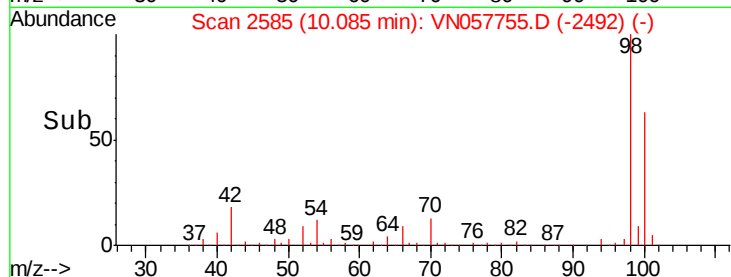
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.681 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057755.D

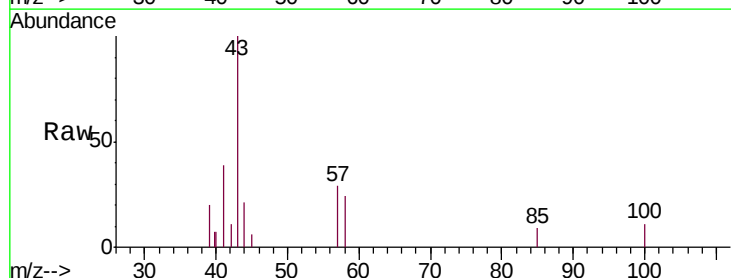
Acq: 7 Sep 2019 15:50

Tgt Ion: 43 Resp: 3175

Ion Ratio Lower Upper

43 100

58 33.6 25.8 38.8



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

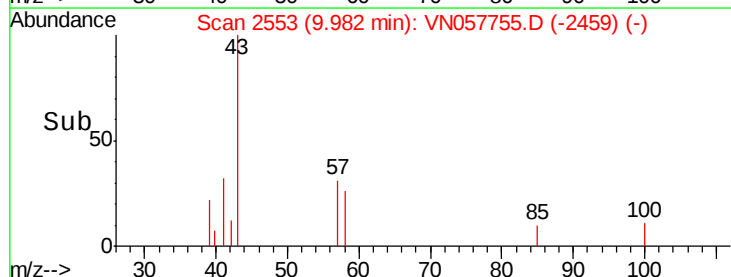
Ion 58.00 (57.70 to 58.70): VN057705.D (-2534) (-)

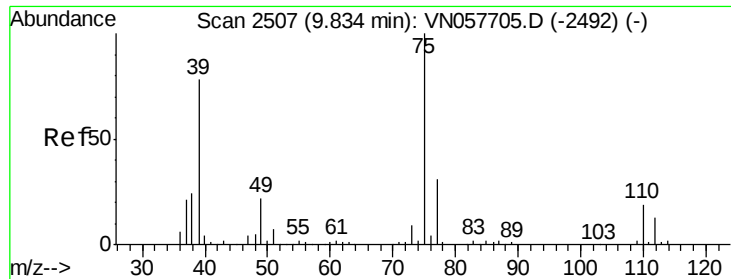
10000

5000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 4.113 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057755.D

Acq: 7 Sep 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

T12-C1-(3.5)

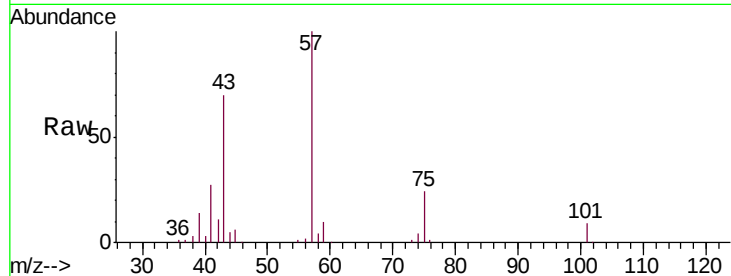
Tgt Ion: 75 Resp: 21184

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

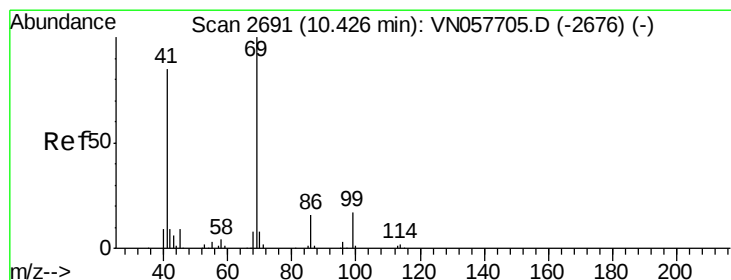
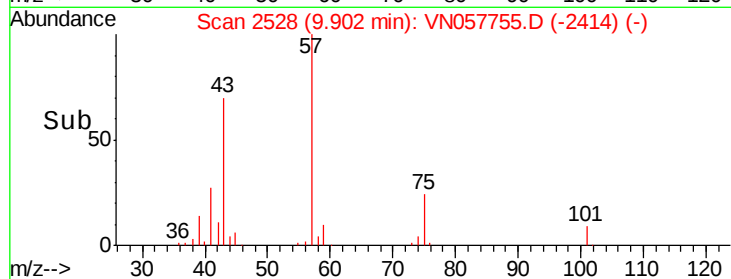
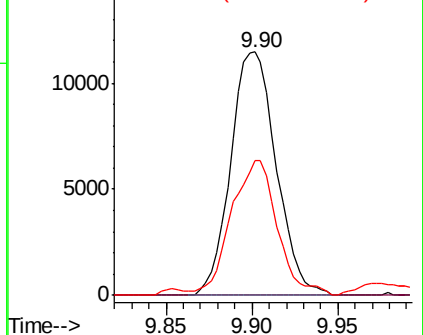
39 55.6 62.4 93.6#



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: 0.228 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.12 min

Lab File: VN057755.D

Acq: 7 Sep 2019 15:50

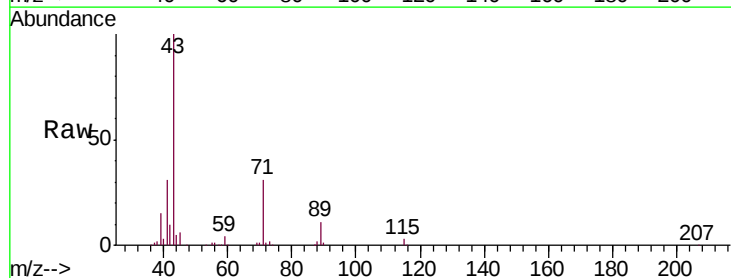
Tgt Ion: 69 Resp: 1107

Ion Ratio Lower Upper

69 100

41 6558.9 69.0 103.4#

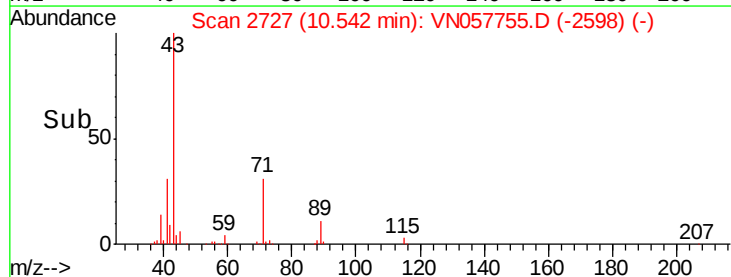
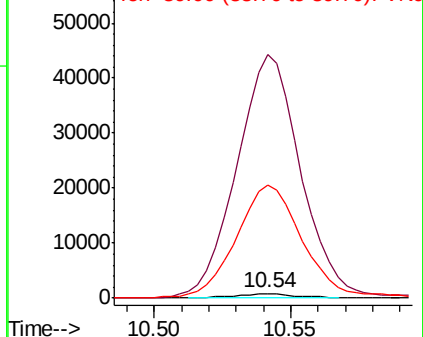
39 3144.1 49.2 73.8#

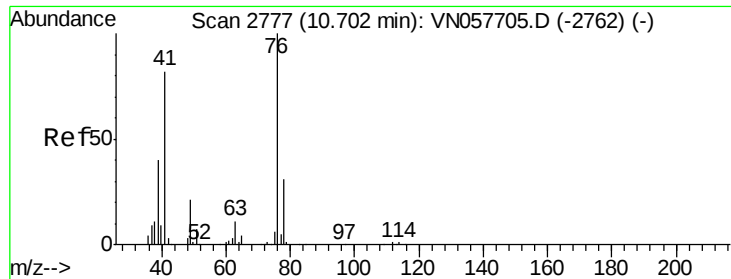


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

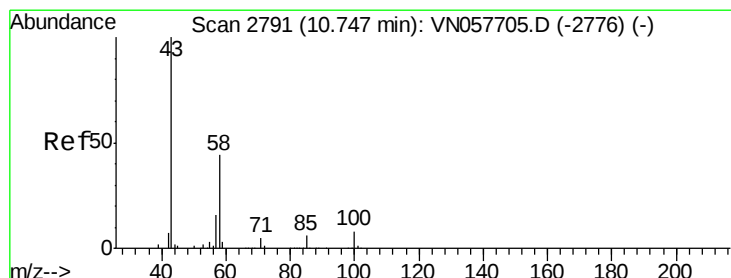
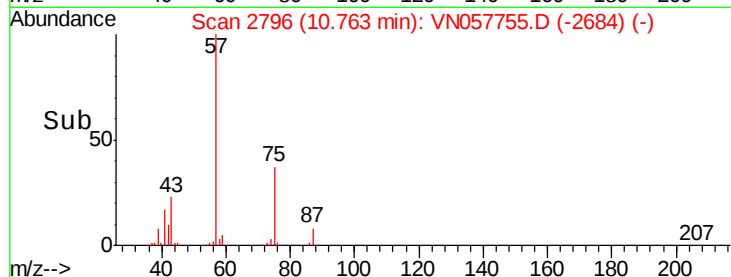
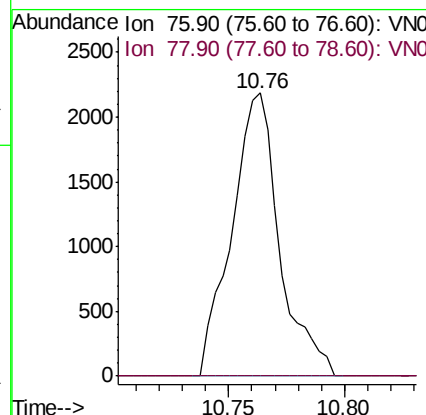
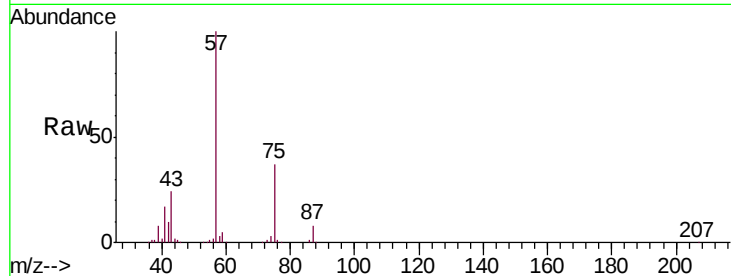




#57
 1,3-Dichloropropane
 Concen: 0.573 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN057755.D
 Acq: 7 Sep 2019 15:50

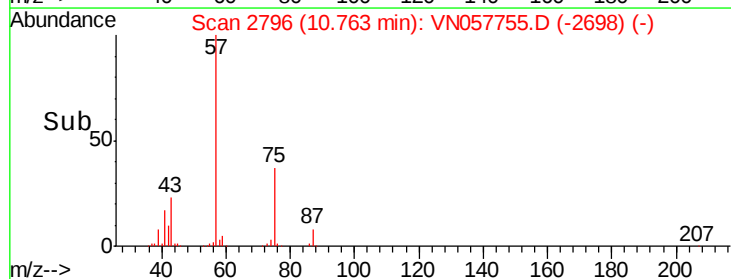
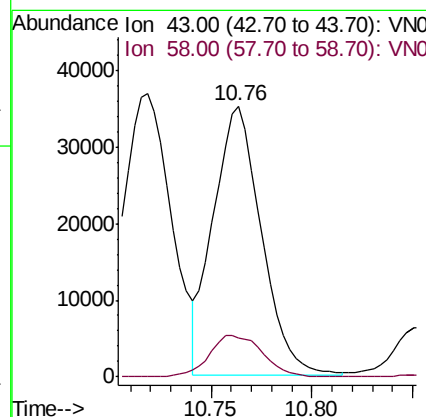
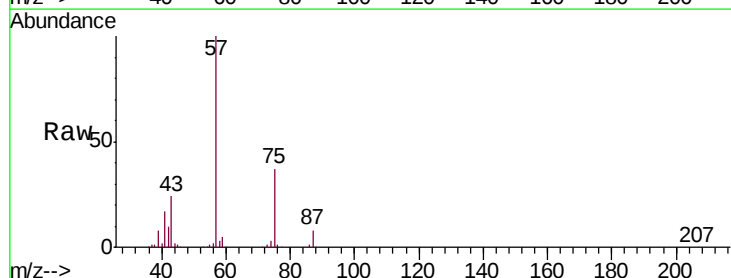
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-C1-(3.5)

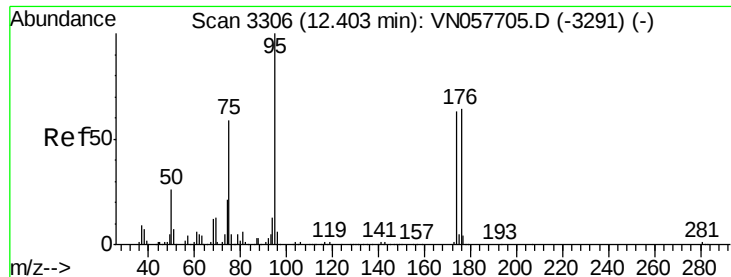
Tgt Ion: 76 Resp: 3129
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 17.666 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.02 min
 Lab File: VN057755.D
 Acq: 7 Sep 2019 15:50

Tgt Ion: 43 Resp: 58090
 Ion Ratio Lower Upper
 43 100
 58 17.1 22.1 66.5#





#62

4-Bromofluorobenzene

Concen: 45.397 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057755.D

Acq: 7 Sep 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

T12-C1-(3.5)

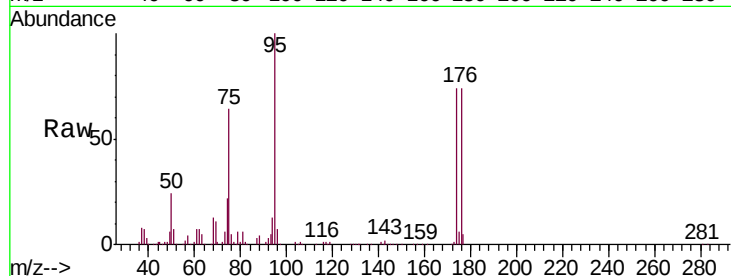
Tgt Ion: 95 Resp: 210440

Ion Ratio Lower Upper

95 100

174 72.9 0.0 128.0

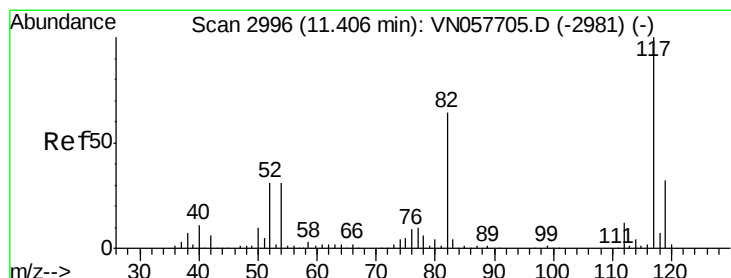
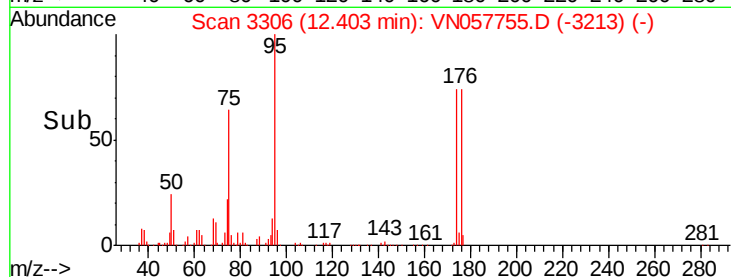
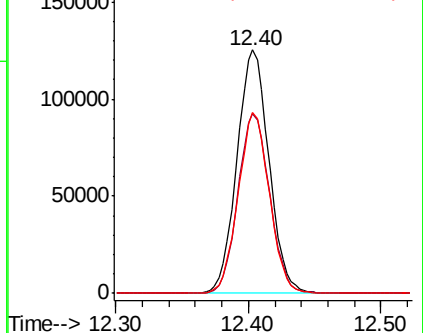
176 72.2 0.0 128.0



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: VN057755.D

Acq: 7 Sep 2019 15:50

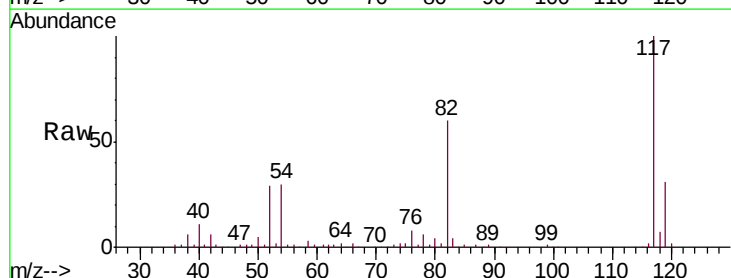
Tgt Ion: 117 Resp: 304902

Ion Ratio Lower Upper

117 100

82 60.2 51.4 77.0

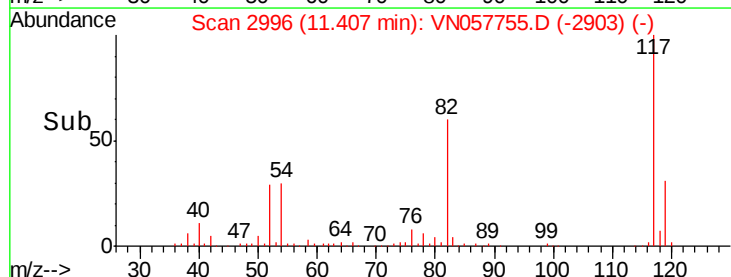
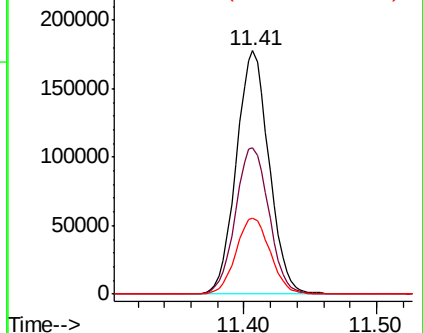
119 31.4 25.4 38.2

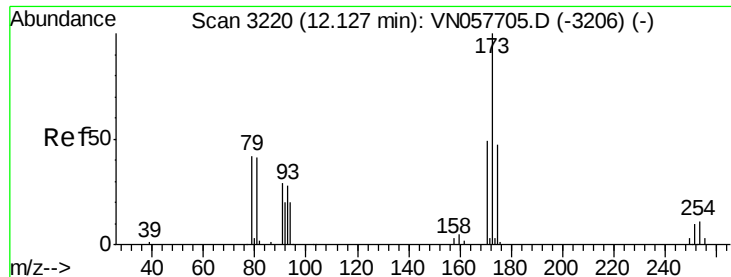


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

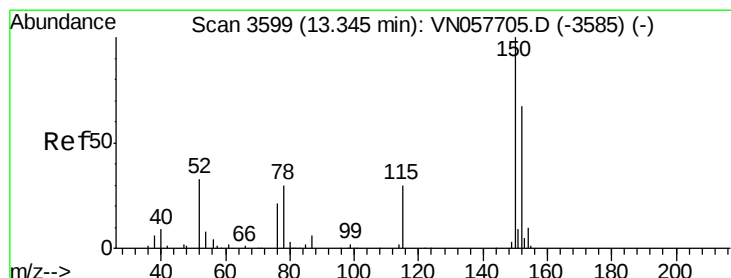
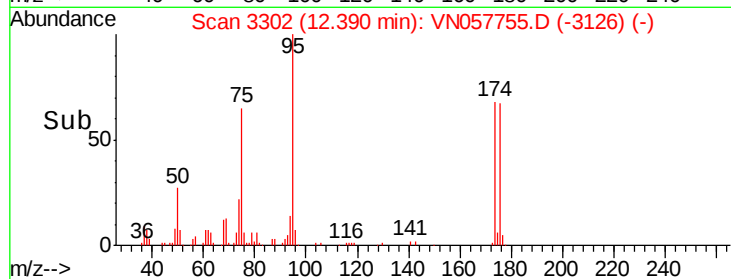
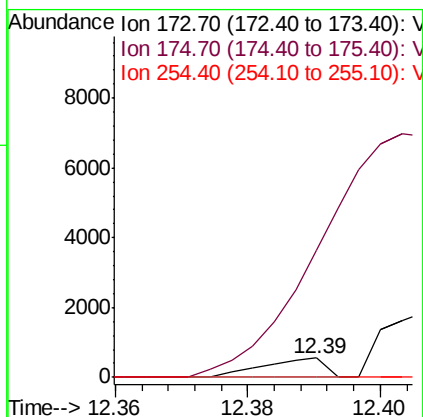
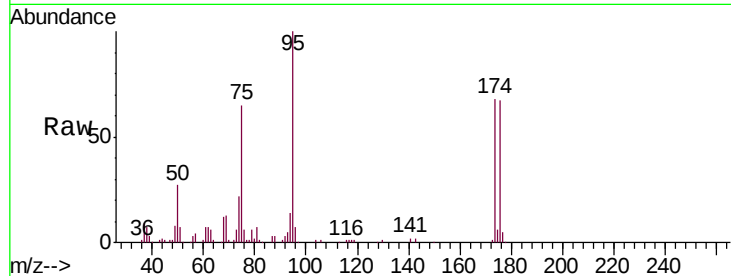




#71
Bromoform
Concen: 3.404 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.26 min
Lab File: VN057755.D
Acq: 7 Sep 2019 15:50

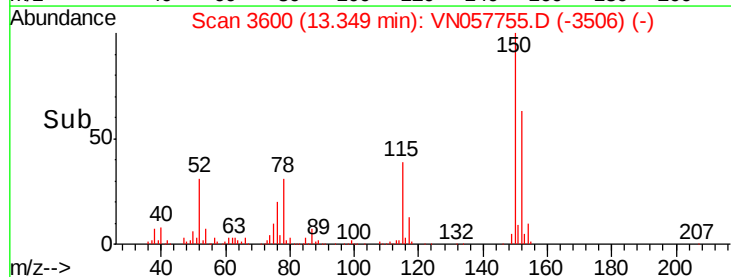
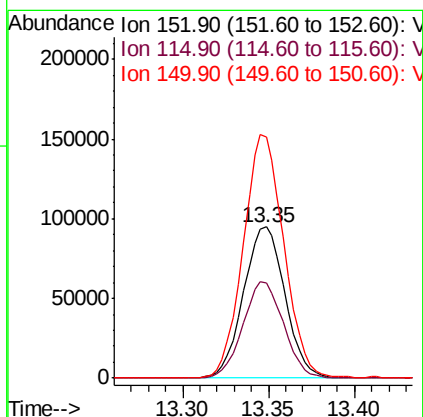
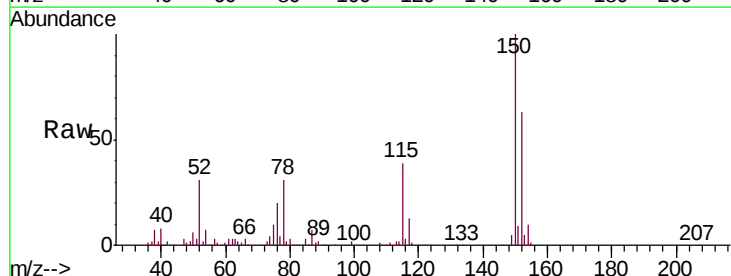
Instrument :
MSVOA_N
ClientSampled :
T12-C1-(3.5)

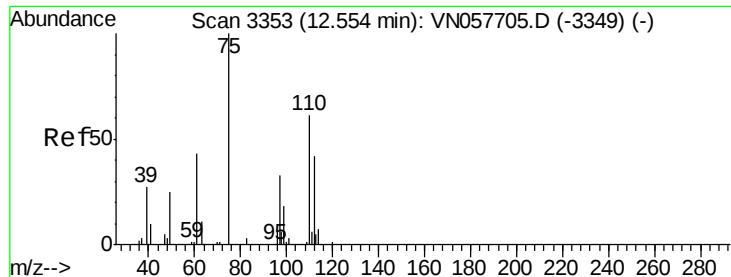
Tgt Ion:173 Resp: 359
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057755.D
Acq: 7 Sep 2019 15:50

Tgt Ion:152 Resp: 158373
Ion Ratio Lower Upper
152 100
115 62.6 33.8 101.3
150 157.8 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 35.689 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057755.D

Acq: 7 Sep 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

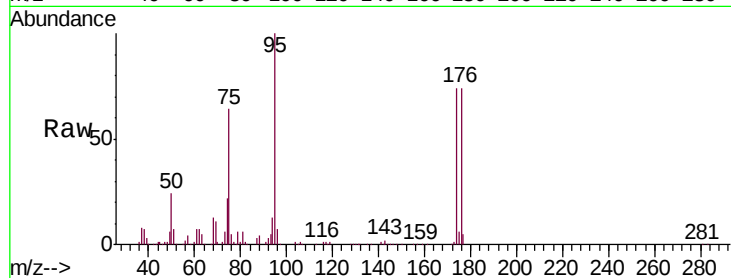
T12-C1-(3.5)

Tgt Ion: 75 Resp: 129795

Ion Ratio Lower Upper

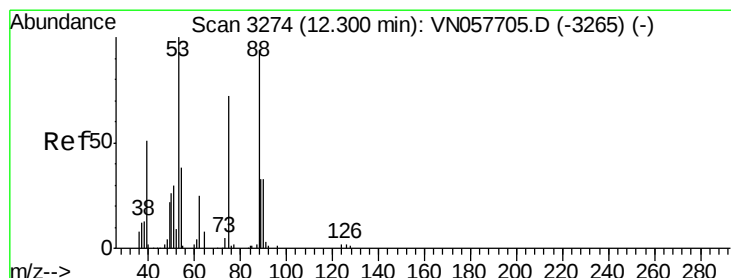
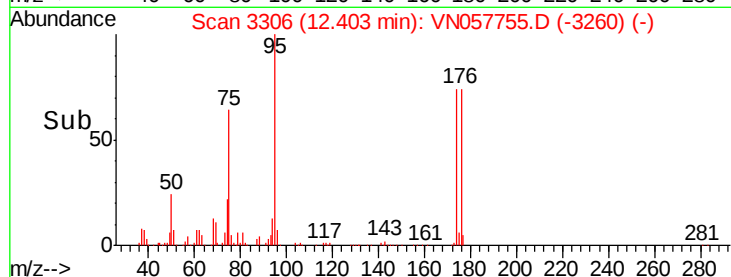
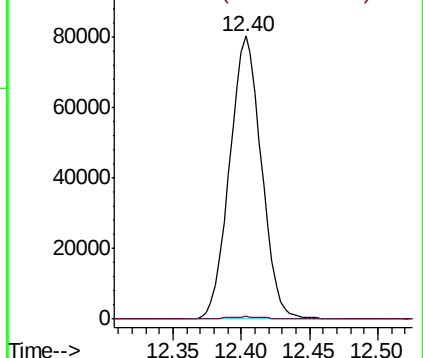
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 110.993 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057755.D

Acq: 7 Sep 2019 15:50

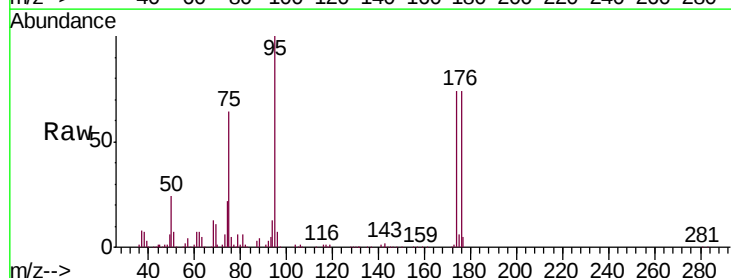
Tgt Ion: 75 Resp: 129795

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

