

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090619\
 Data File : VN057730.D
 Acq On : 6 Sep 2019 21:55
 Operator : JC/SP
 Sample : K4580-29
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-B2-(3.5)

Quant Time: Sep 06 23:28:36 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	194054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	324060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	295591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	148944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	248611	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
35) Dibromofluoromethane	7.57	113	150086	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.08	98	577313	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.40	95	208777	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	

Target Compounds

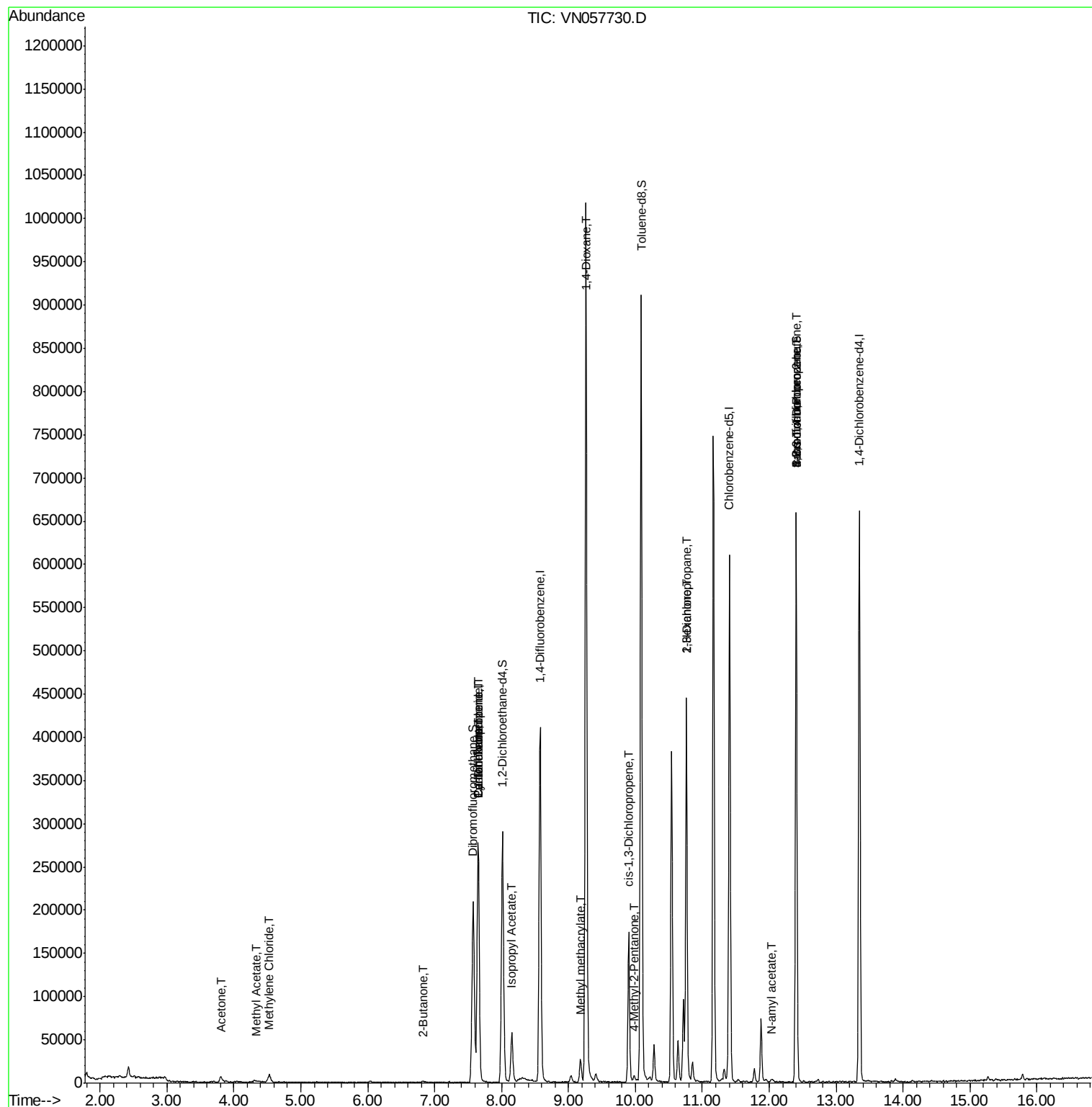
					Qvalue	
3) Chloromethane	2.04	50	1589	Below Cal		95
16) Acetone	3.80	43	10941	7.531	ug/l	93
18) Methyl Acetate	4.32	43	1397	0.354	ug/l #	79
20) Methylene Chloride	4.53	84	3503	1.115	ug/l #	82
25) 2-Butanone	6.81	43	498	0.239	ug/l #	55
31) Cyclohexane	7.64	56	6487	1.224	ug/l #	34
36) 1,1-Dichloropropene	7.65	75	20470	4.748	ug/l #	52
38) Carbon Tetrachloride	7.65	117	22379	5.421	ug/l #	15
43) Isopropyl Acetate	8.15	43	68148	8.295	ug/l	99
48) Methyl methacrylate	9.17	41	3358	0.795	ug/l #	16
49) 1,4-Dioxane	9.27	88	34	0.692	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	5563	1.219	ug/l #	77
54) cis-1,3-Dichloropropene	9.90	75	26252	5.209	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	3856	0.722	ug/l #	43
59) 2-Hexanone	10.76	43	73691	22.905	ug/l #	60
71) Bromoform	12.40	173	805	3.617	ug/l #	1
74) N-amyl acetate	12.04	43	2832	0.431	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	127959	37.412	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	127959	116.350	ug/l #	1

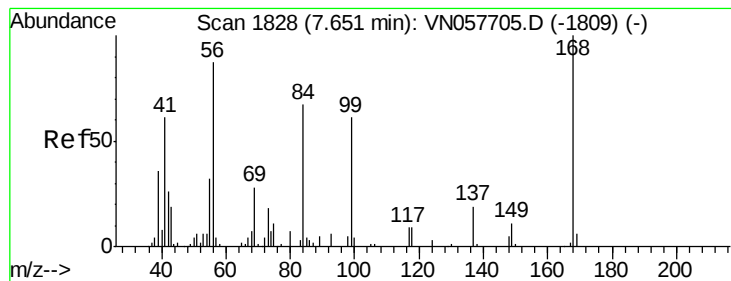
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057730.D

Acq: 6 Sep 2019 21:55

Instrument :

MSVOA_N

ClientSampleId :

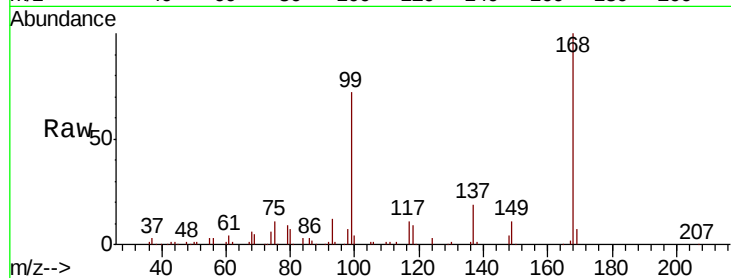
T12-B2-(3.5)

Tgt Ion:168 Resp: 194054

Ion Ratio Lower Upper

168 100

99 71.8 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

80000

60000

40000

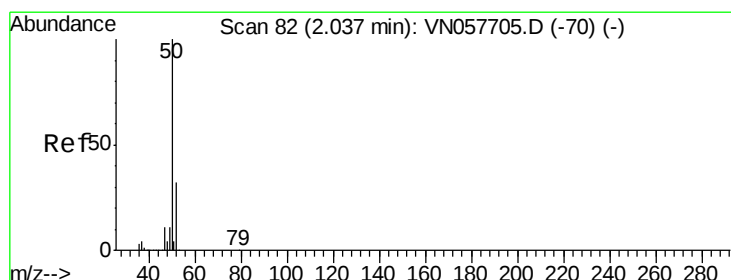
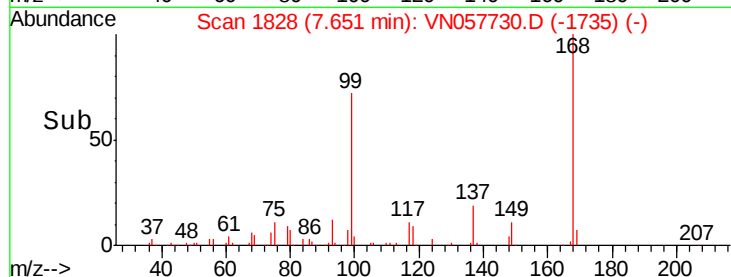
20000

0

Time-->

7.60

7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057730.D

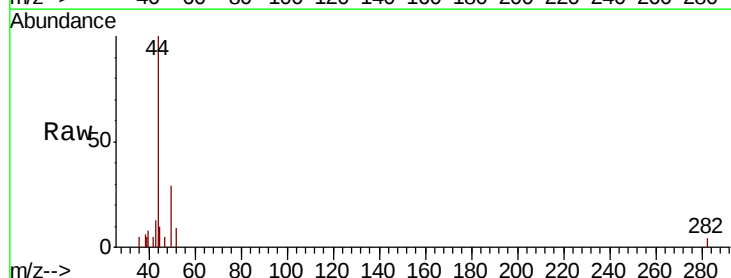
Acq: 6 Sep 2019 21:55

Tgt Ion: 50 Resp: 1589

Ion Ratio Lower Upper

50 100

52 29.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1200

1000

800

600

400

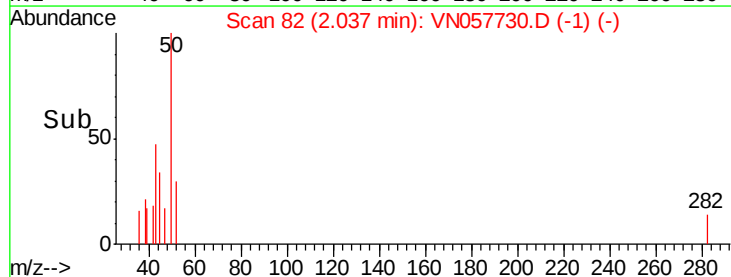
200

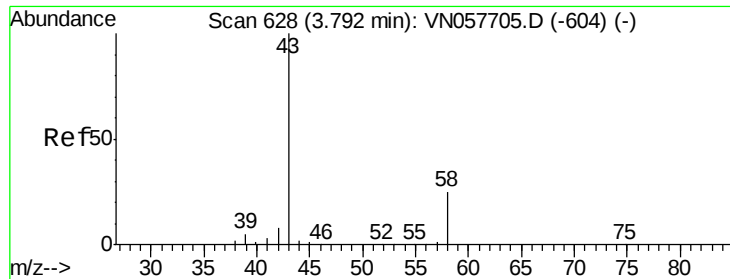
0

Time-->

2.00

2.05





#16

Acetone

Concen: 7.531 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057730.D

Acq: 6 Sep 2019 21:55

Instrument :

MSVOA_N

ClientSampleId :

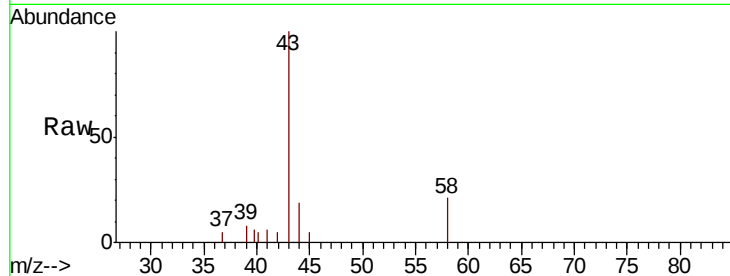
T12-B2-(3.5)

Tgt Ion: 43 Resp: 10941

Ion Ratio Lower Upper

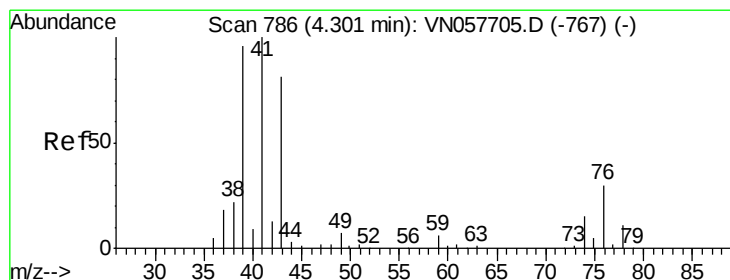
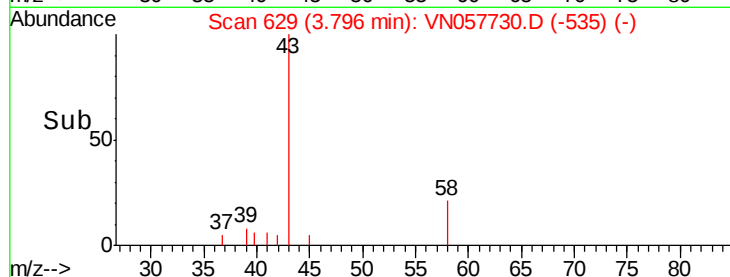
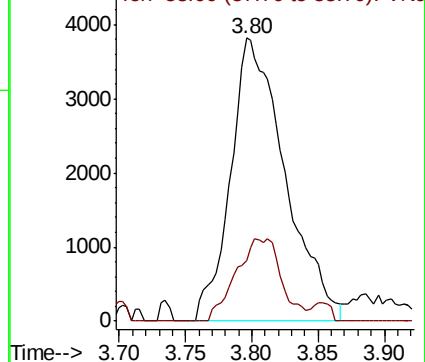
43 100

58 21.4 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.354 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.02 min

Lab File: VN057730.D

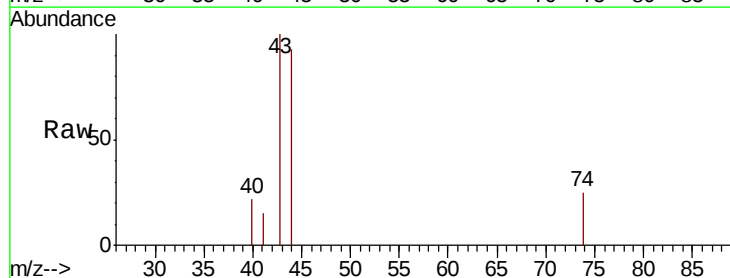
Acq: 6 Sep 2019 21:55

Tgt Ion: 43 Resp: 1397

Ion Ratio Lower Upper

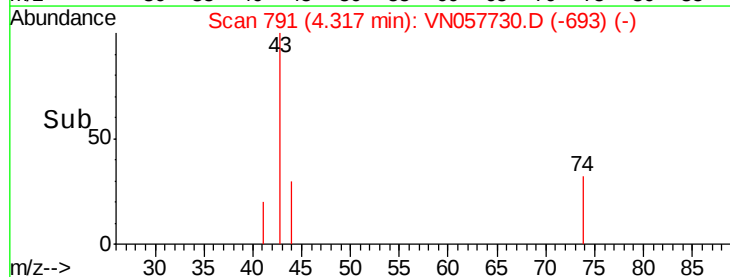
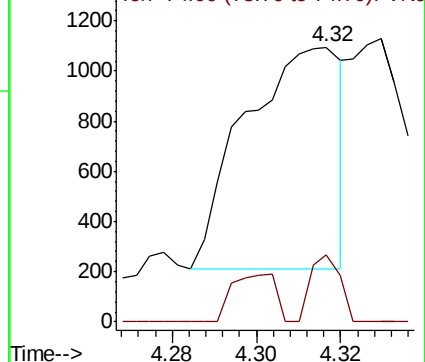
43 100

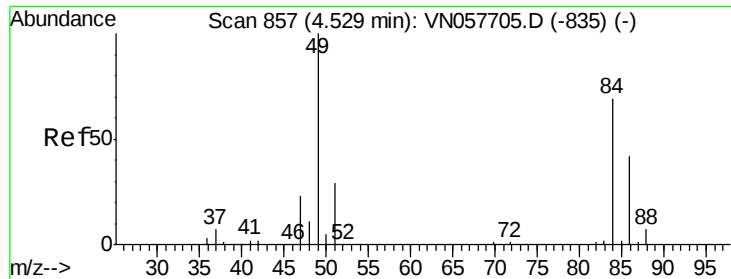
74 9.4 15.3 22.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

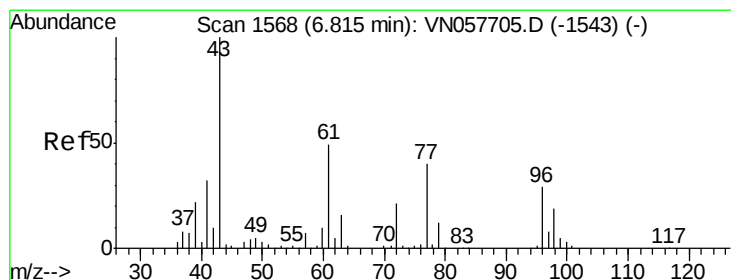
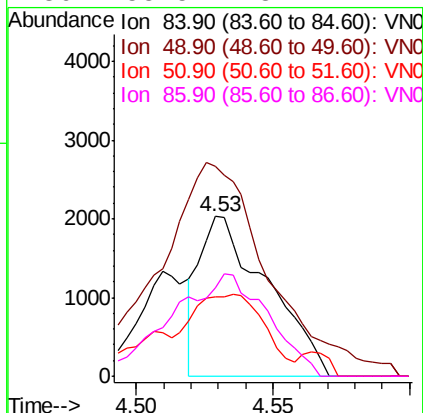
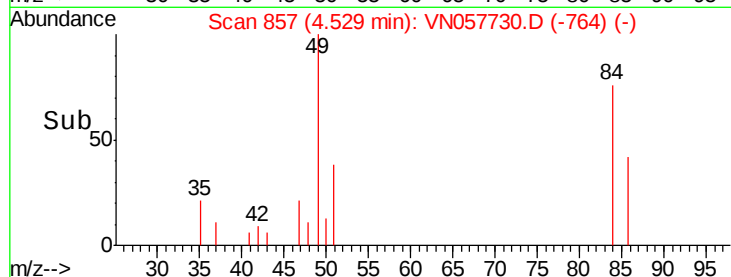
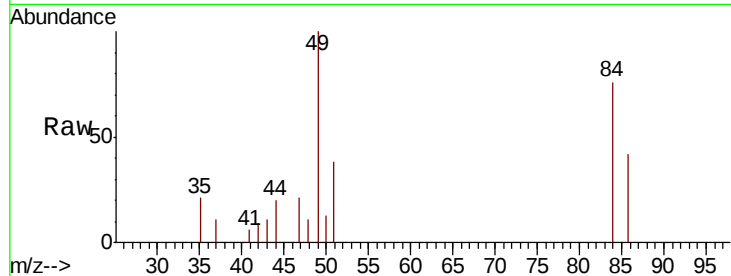




#20
Methylene Chloride
Concen: 1.115 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN057730.D
Acq: 6 Sep 2019 21:55

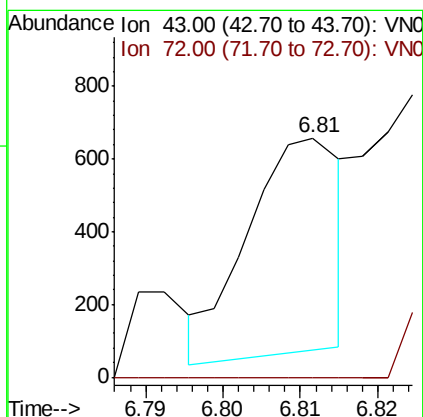
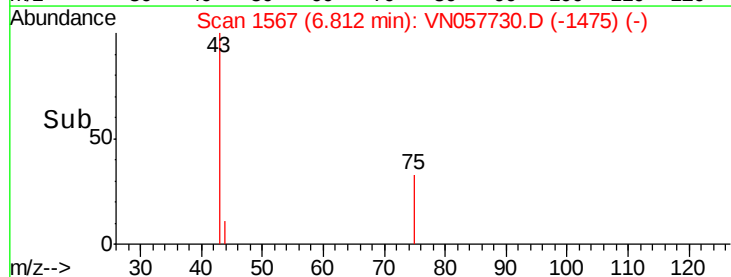
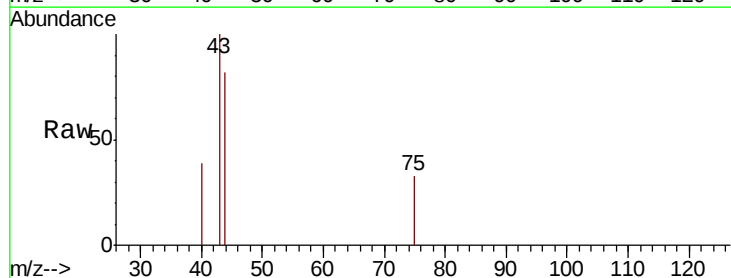
Instrument :
MSVOA_N
ClientSampled :
T12-B2-(3.5)

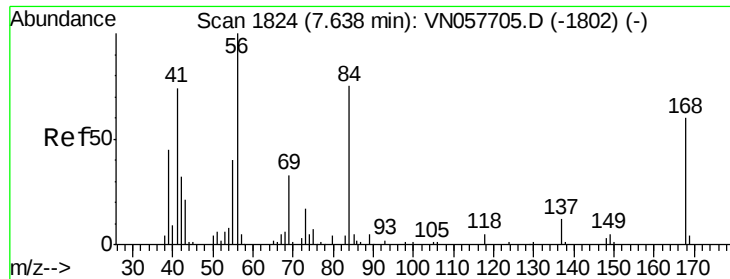
Tgt Ion: 84 Resp: 3503
Ion Ratio Lower Upper
84 100
49 113.3 115.0 172.6#
51 49.9 33.8 50.8
86 55.5 48.2 72.2



#25
2-Butanone
Concen: 0.239 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN057730.D
Acq: 6 Sep 2019 21:55

Tgt Ion: 43 Resp: 498
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#

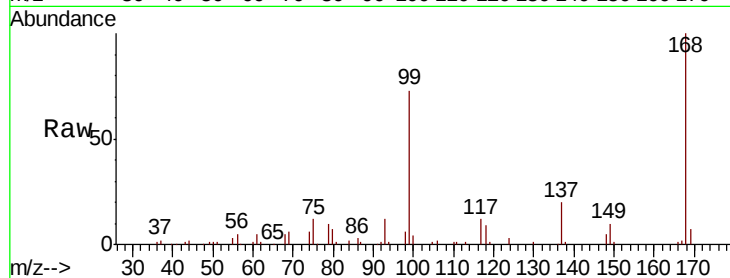




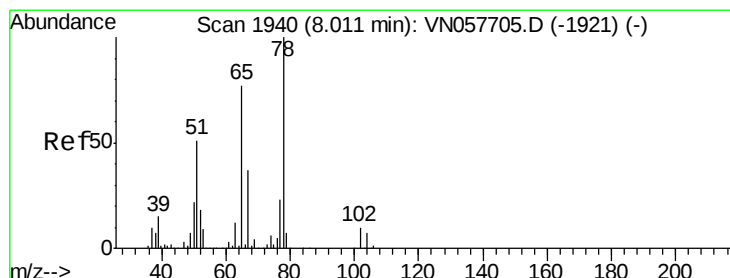
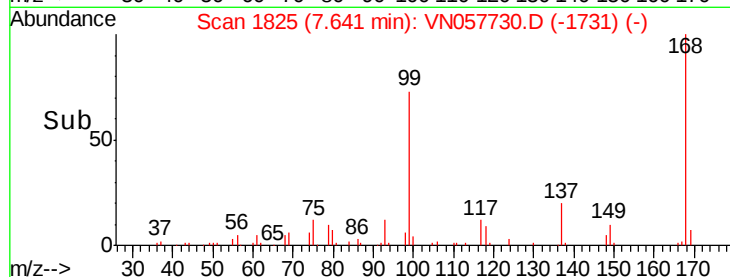
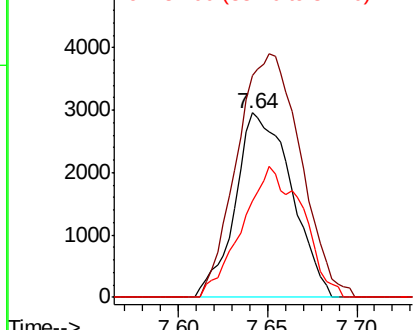
#31
Cyclohexane
Concen: 1.224 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN057730.D
Acq: 6 Sep 2019 21:55

Instrument :
MSVOA_N
ClientSampled :
T12-B2-(3.5)

Tgt Ion: 56 Resp: 6487
Ion Ratio Lower Upper
56 100
69 120.7 26.2 39.2#
84 52.6 59.8 89.8#

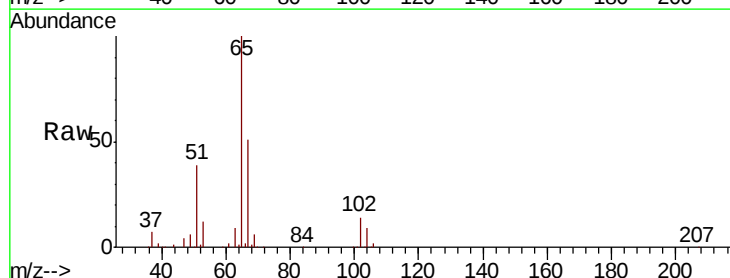


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

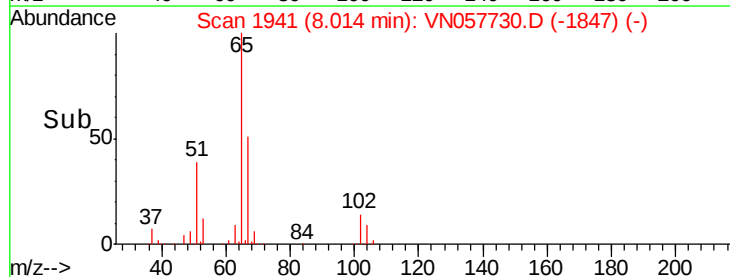
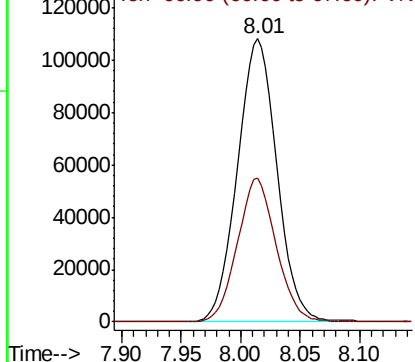


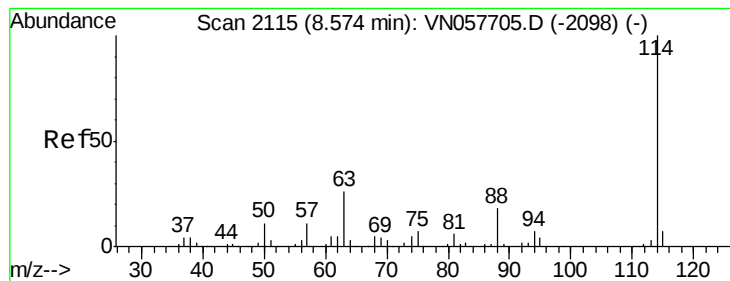
#33
1,2-Dichloroethane-d4
Concen: 52.664 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057730.D
Acq: 6 Sep 2019 21:55

Tgt Ion: 65 Resp: 248611
Ion Ratio Lower Upper
65 100
67 49.9 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: VN057730.D

Acq: 6 Sep 2019 21:55

Instrument :

MSVOA_N

ClientSampleId :

T12-B2-(3.5)

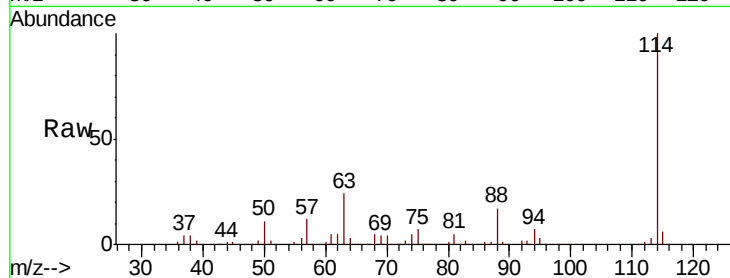
Tgt Ion:114 Resp: 324060

Ion Ratio Lower Upper

114 100

63 24.3 0.0 52.4

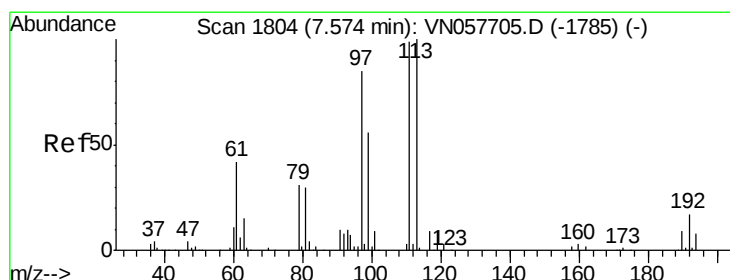
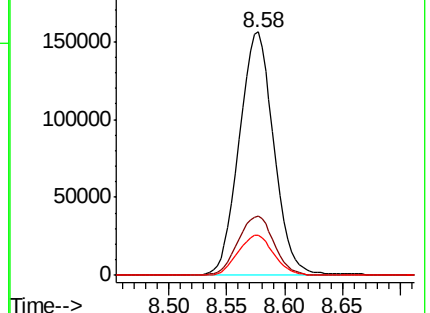
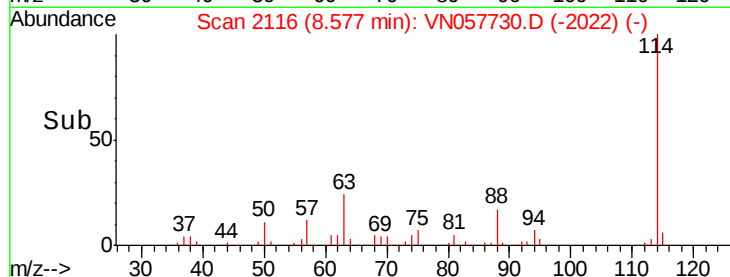
88 16.5 0.0 35.4



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: 50.847 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN057730.D

Acq: 6 Sep 2019 21:55

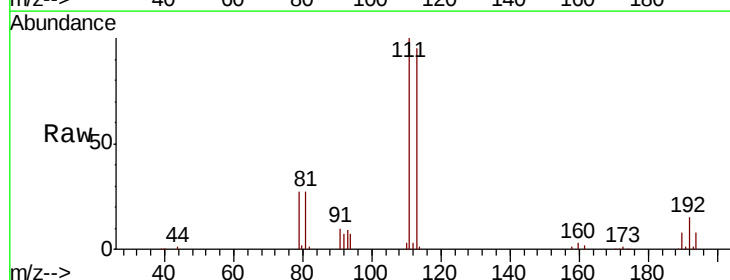
Tgt Ion:113 Resp: 150086

Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

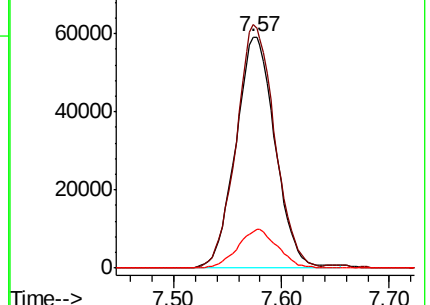
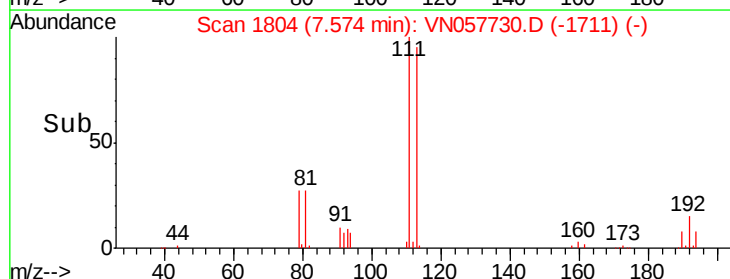
192 16.9 13.8 20.6

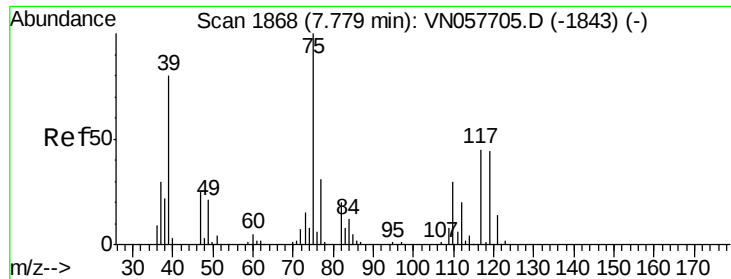


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

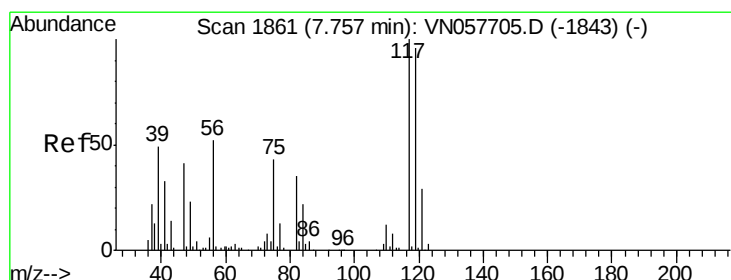
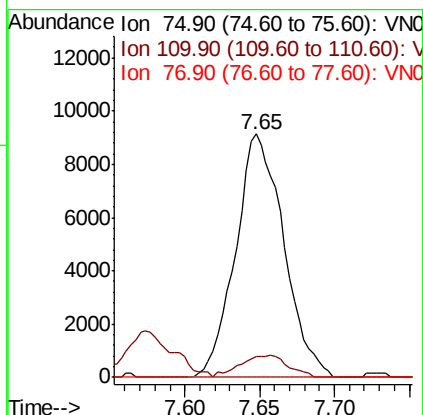
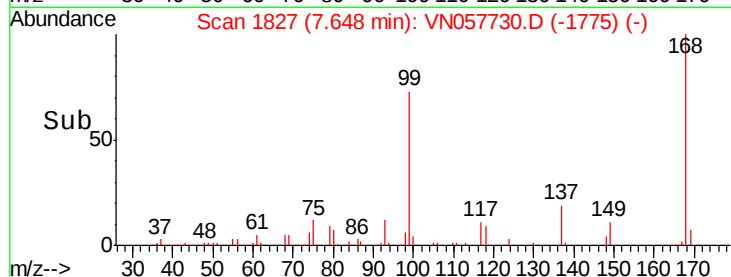
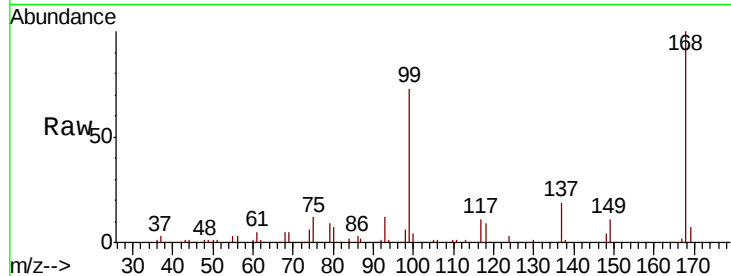




#36
 1,1-Dichloropropene
 Concen: 4.748 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057730.D
 Acq: 6 Sep 2019 21:55

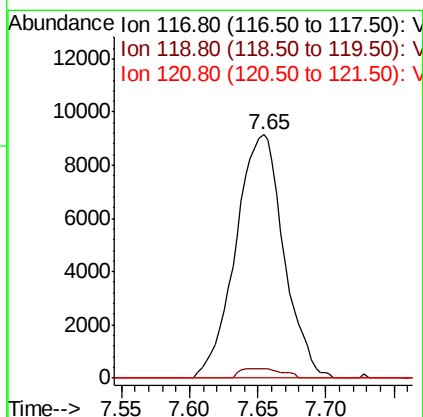
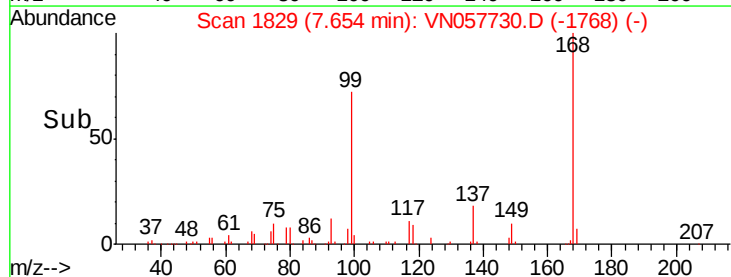
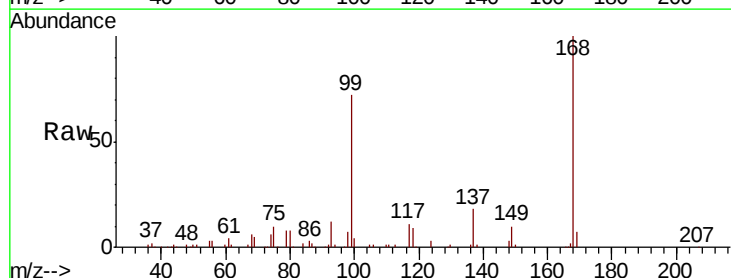
Instrument :
 MSVOA_N
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 T12-B2-(3.5)

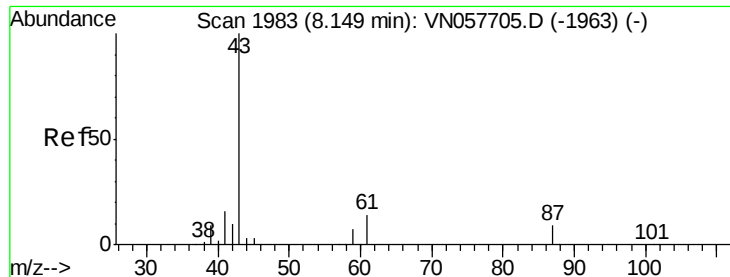
Tgt Ion: 75 Resp: 20470
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.0 45.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.421 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.10 min
 Lab File: VN057730.D
 Acq: 6 Sep 2019 21:55

Tgt Ion: 117 Resp: 22379
 Ion Ratio Lower Upper
 117 100
 119 3.8 76.1 114.1#
 121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 8.295 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057730.D

Acq: 6 Sep 2019 21:55

Instrument :

MSVOA_N

ClientSampleId :

T12-B2-(3.5)

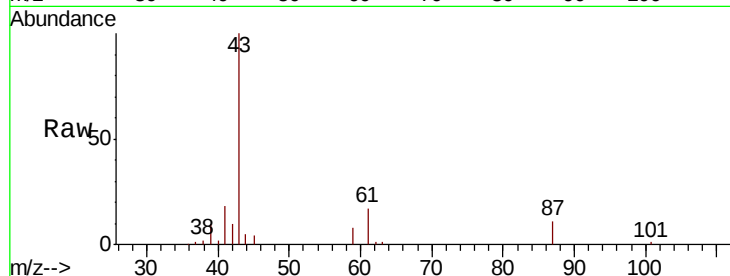
Tgt Ion: 43 Resp: 68148

Ion Ratio Lower Upper

43 100

61 16.4 12.8 19.2

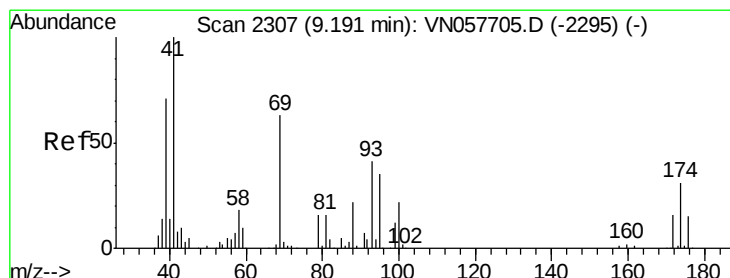
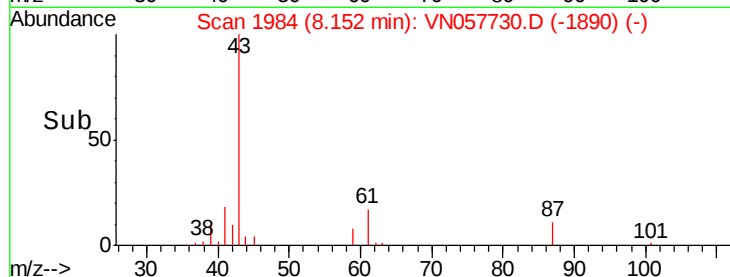
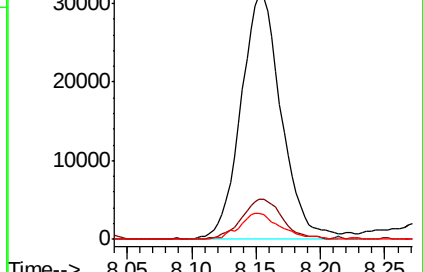
87 10.6 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN057730.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN057730.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN057730.D (-1963) (-)



#48

Methyl methacrylate

Concen: 0.795 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VN057730.D

Acq: 6 Sep 2019 21:55

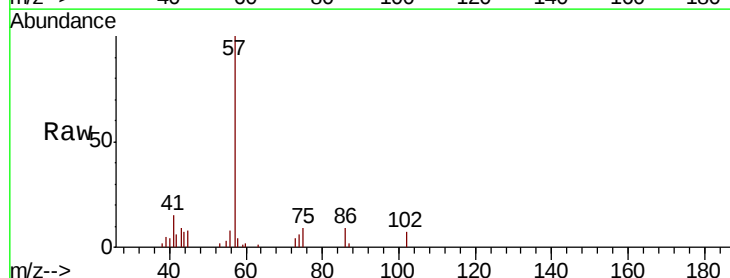
Tgt Ion: 41 Resp: 3358

Ion Ratio Lower Upper

41 100

69 0.0 51.2 76.8#

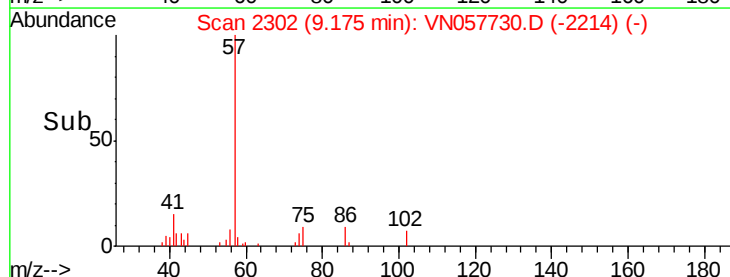
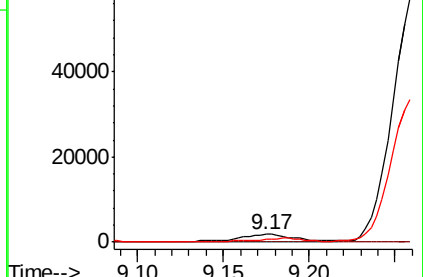
39 0.0 57.3 85.9#

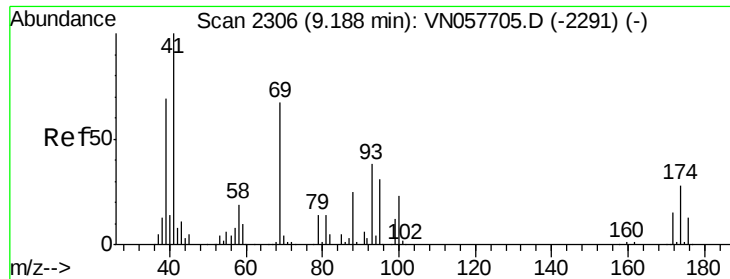


Abundance Ion 41.00 (40.70 to 41.70): VN057730.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN057730.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN057730.D (-2214) (-)





#49

1,4-Dioxane

Concen: 0.692 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.08 min

Lab File: VN057730.D

Acq: 6 Sep 2019 21:55

Instrument :

MSVOA_N

ClientSampleId :

T12-B2-(3.5)

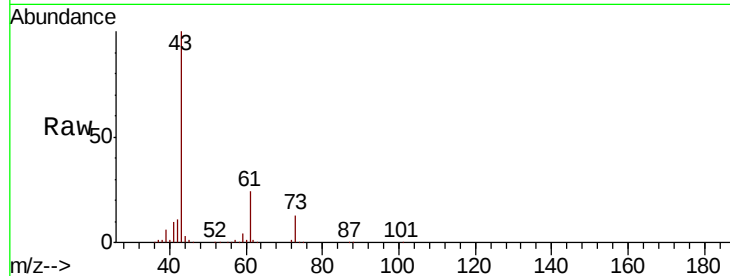
Tgt Ion: 88 Resp: 34

Ion Ratio Lower Upper

88 100

43 3043214.7 35.4 53.2#

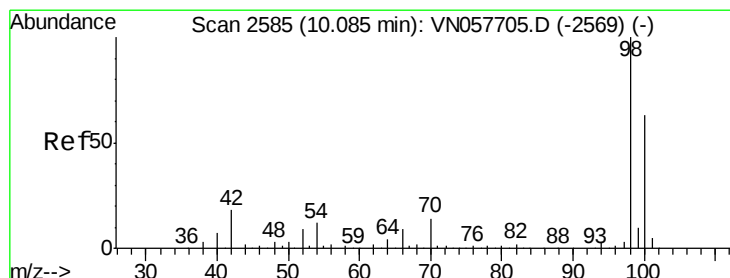
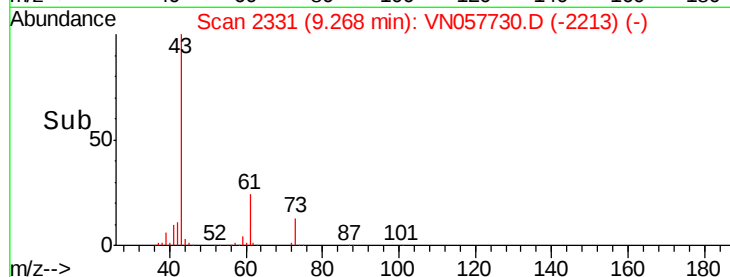
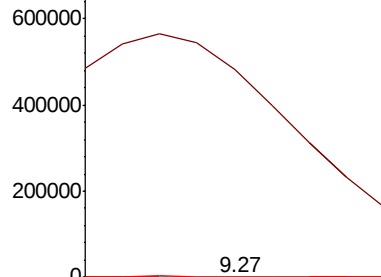
58 11497.1 61.5 92.3#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 52.872 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057730.D

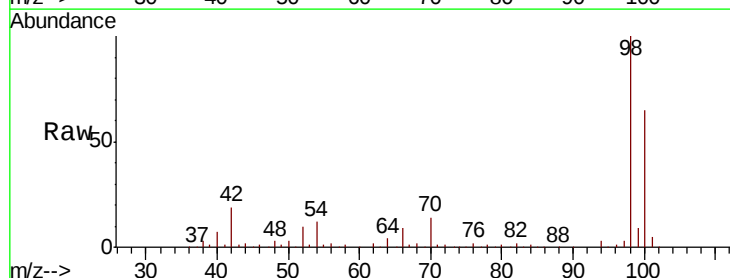
Acq: 6 Sep 2019 21:55

Tgt Ion: 98 Resp: 577313

Ion Ratio Lower Upper

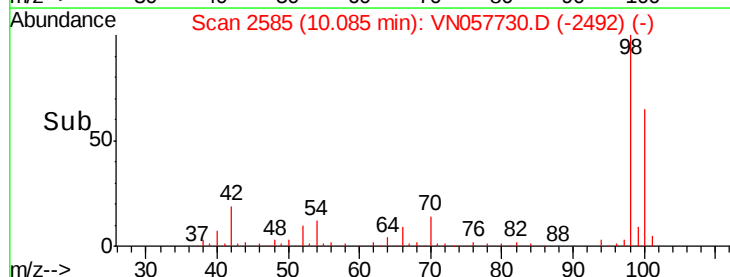
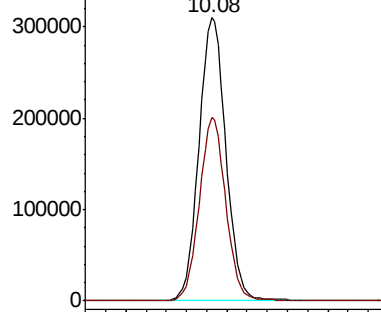
98 100

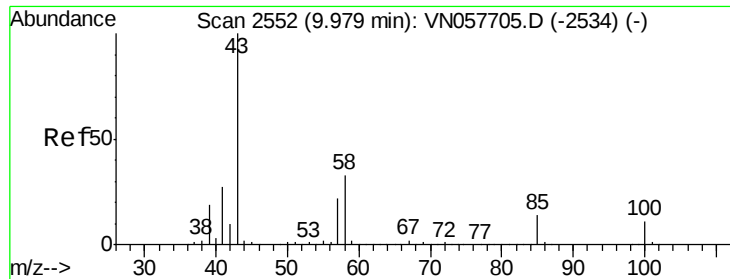
100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.219 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057730.D

Acq: 6 Sep 2019 21:55

Instrument :

MSVOA_N

ClientSampled :

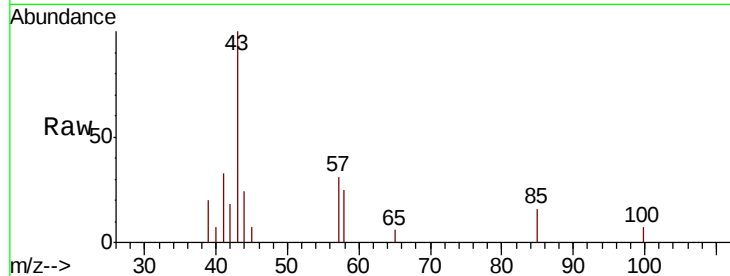
T12-B2-(3.5)

Tgt Ion: 43 Resp: 5563

Ion Ratio Lower Upper

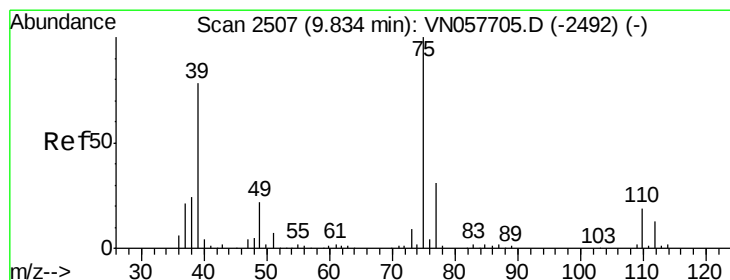
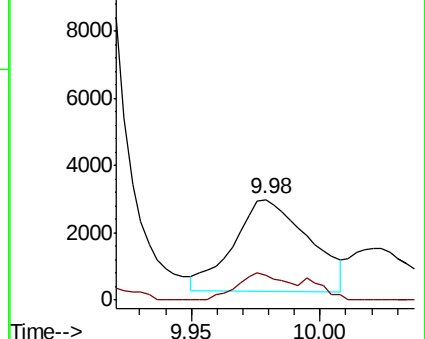
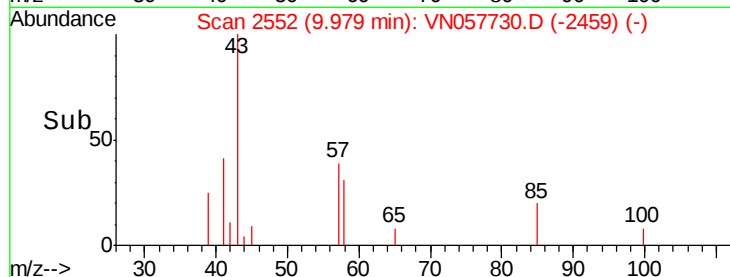
43 100

58 19.5 25.8 38.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.209 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057730.D

Acq: 6 Sep 2019 21:55

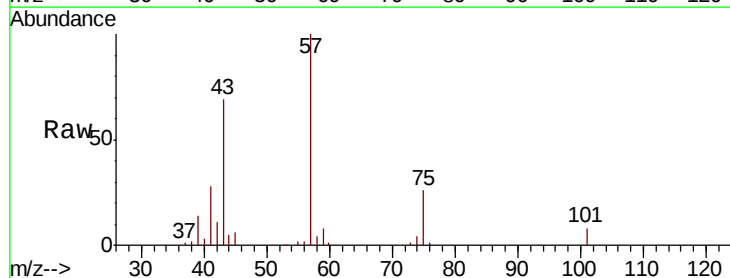
Tgt Ion: 75 Resp: 26252

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

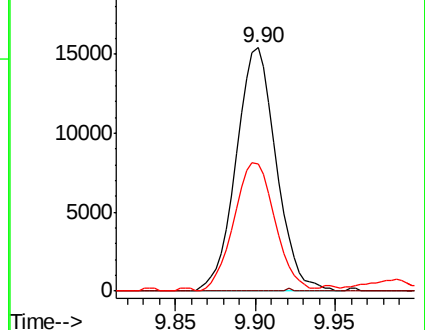
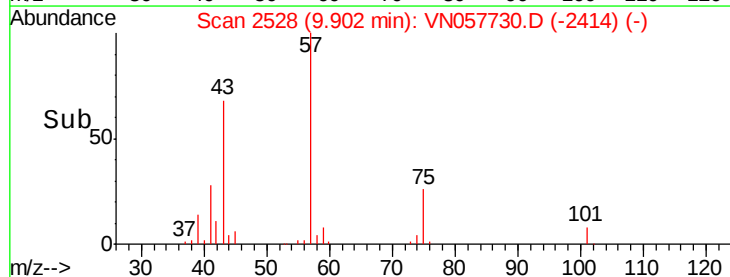
39 51.4 62.4 93.6#

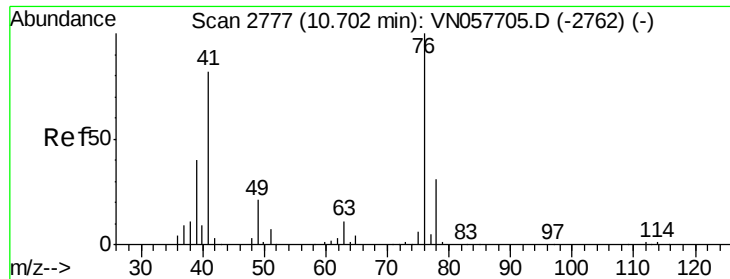


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

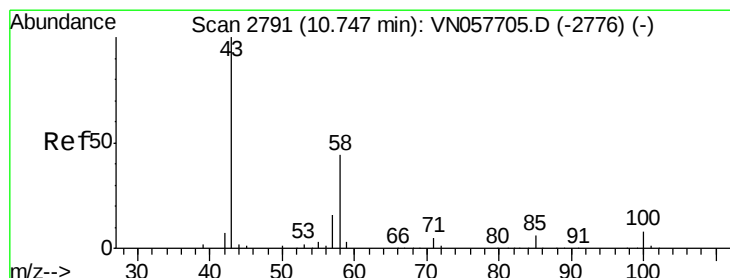
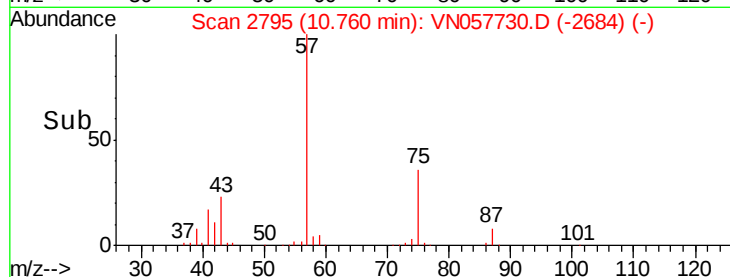
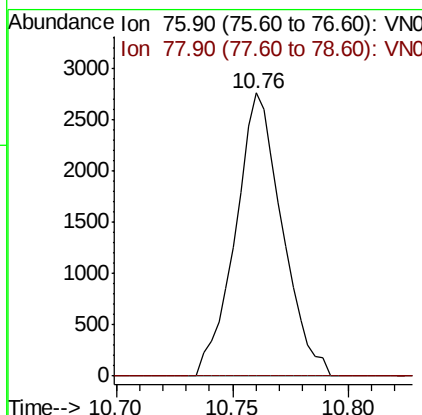
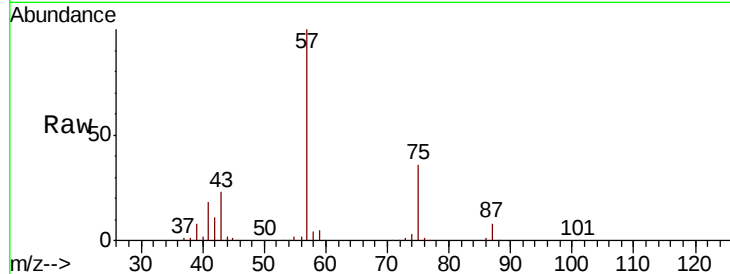




#57
 1,3-Dichloropropane
 Concen: 0.722 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.06 min
 Lab File: VN057730.D
 Acq: 6 Sep 2019 21:55

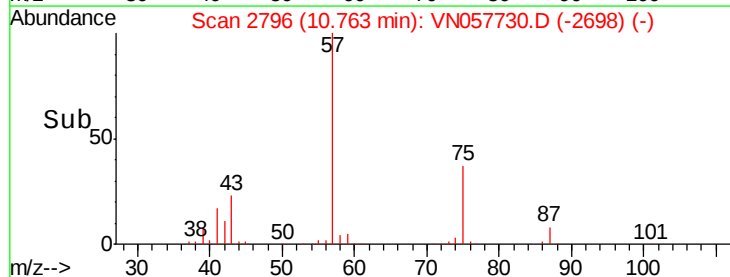
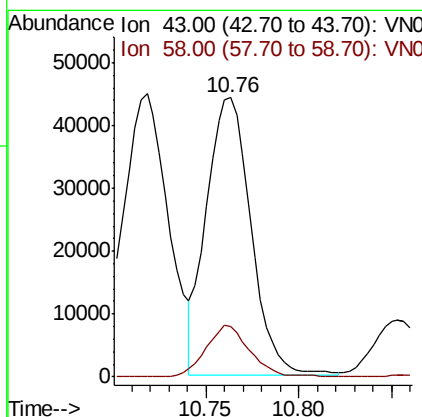
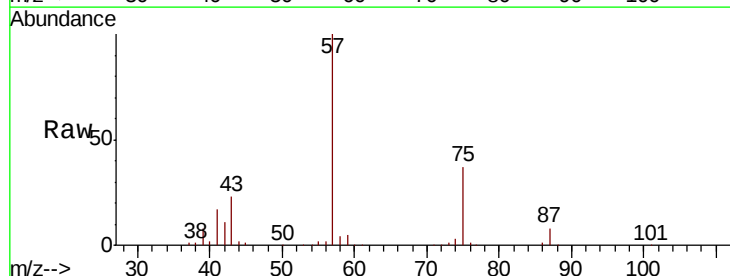
Instrument :
 MSVOA_N
 ClientSampled :
 T12-B2-(3.5)

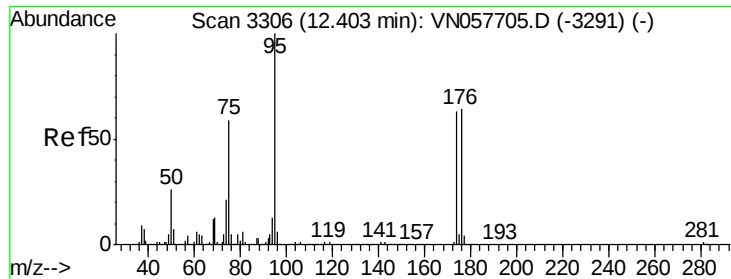
Tgt Ion: 76 Resp: 3856
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 22.905 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.02 min
 Lab File: VN057730.D
 Acq: 6 Sep 2019 21:55

Tgt Ion: 43 Resp: 73691
 Ion Ratio Lower Upper
 43 100
 58 18.4 22.1 66.5#





#62

4-Bromofluorobenzene

Concen: 46.034 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN057730.D

Acq: 6 Sep 2019 21:55

Instrument :

MSVOA_N

ClientSampleId :

T12-B2-(3.5)

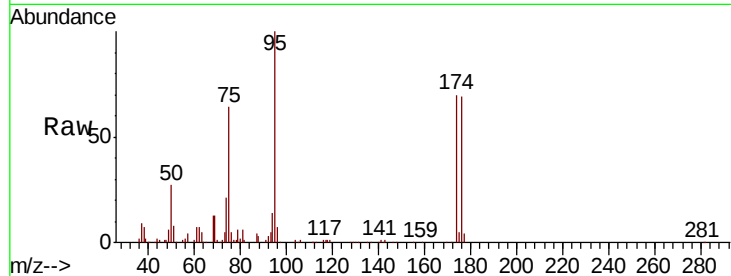
Tgt Ion: 95 Resp: 208777

Ion Ratio Lower Upper

95 100

174 68.7 0.0 128.0

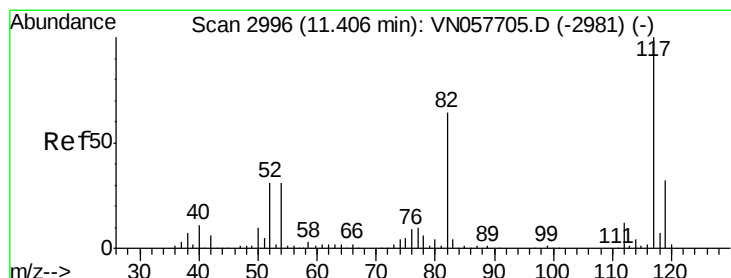
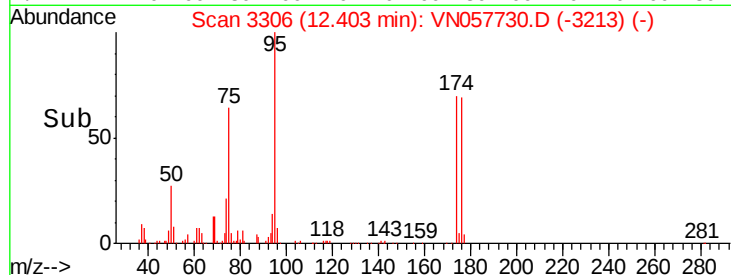
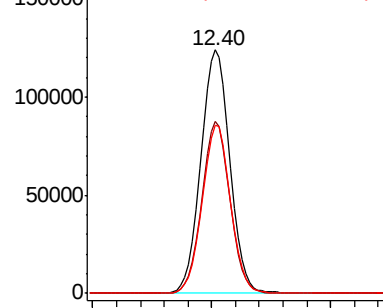
176 67.7 0.0 128.0



Abundance Ion 94.90 (94.60 to 95.60): VN057730.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN057730.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN057730.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057730.D

Acq: 6 Sep 2019 21:55

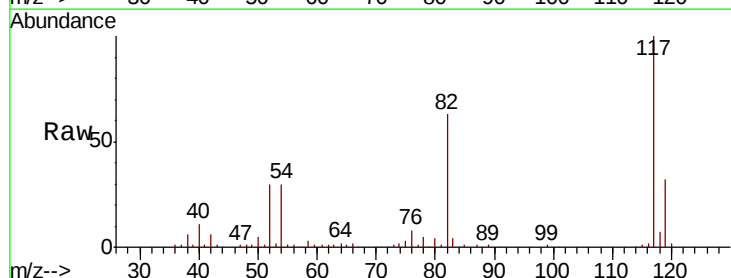
Tgt Ion: 117 Resp: 295591

Ion Ratio Lower Upper

117 100

82 63.0 51.4 77.0

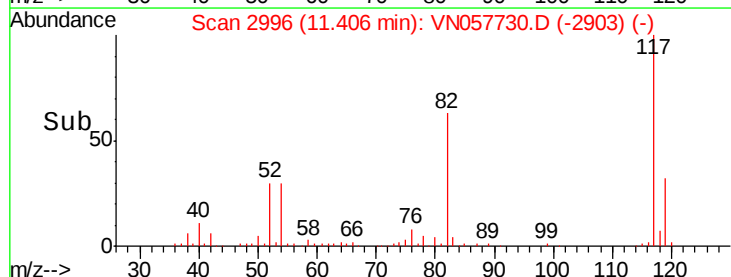
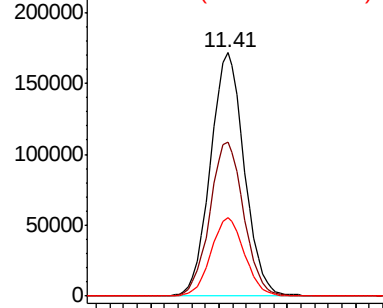
119 32.1 25.4 38.2

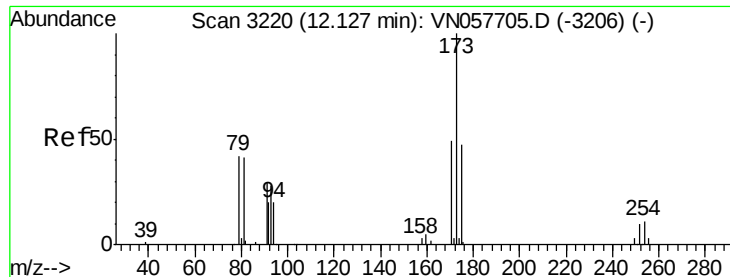


Abundance Ion 116.90 (116.60 to 117.60): VN057730.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN057730.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN057730.D (-2903) (-)

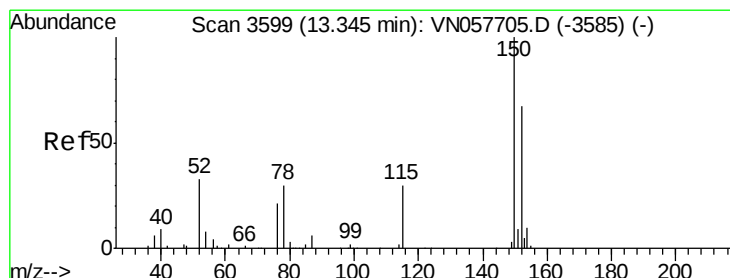
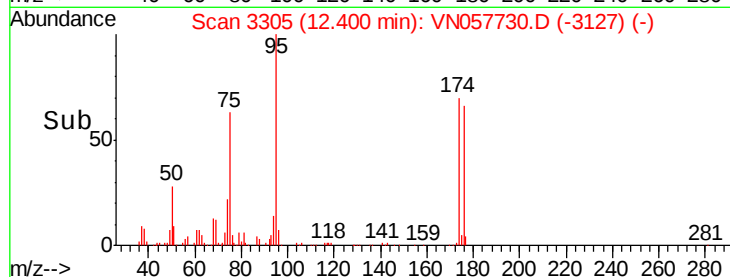
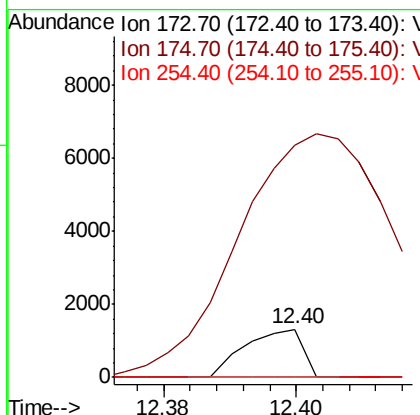
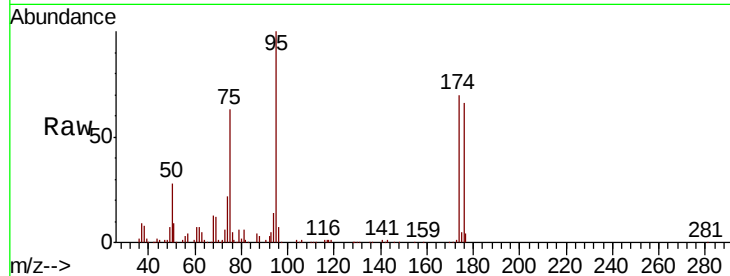




#71
Bromoform
Concen: 3.617 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN057730.D
Acq: 6 Sep 2019 21:55

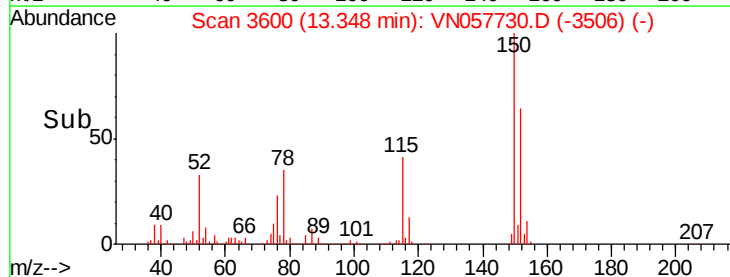
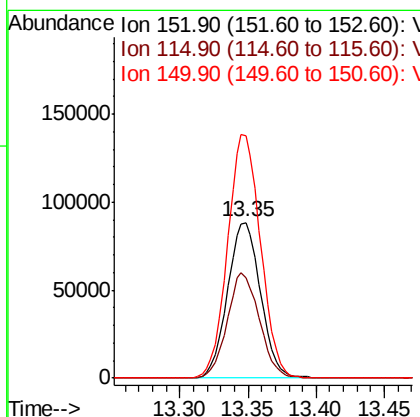
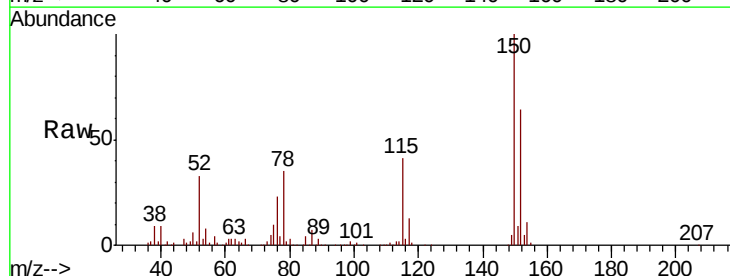
Instrument :
MSVOA_N
ClientSampled :
T12-B2-(3.5)

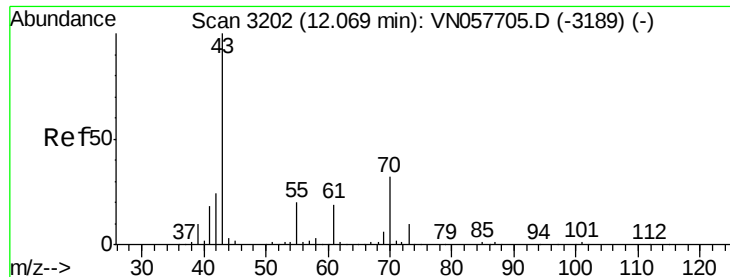
Tgt Ion:173 Resp: 805
Ion Ratio Lower Upper
173 100
175 1164.6 24.6 73.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057730.D
Acq: 6 Sep 2019 21:55

Tgt Ion:152 Resp: 148944
Ion Ratio Lower Upper
152 100
115 66.0 33.8 101.3
150 155.4 0.0 345.4





#74

N-ethyl acetate

Concen: 0.431 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.03 min

Lab File: VN057730.D

Acq: 6 Sep 2019 21:55

Instrument :

MSVOA_N

ClientSampleId :

T12-B2-(3.5)

Tgt Ion: 43 Resp: 2832

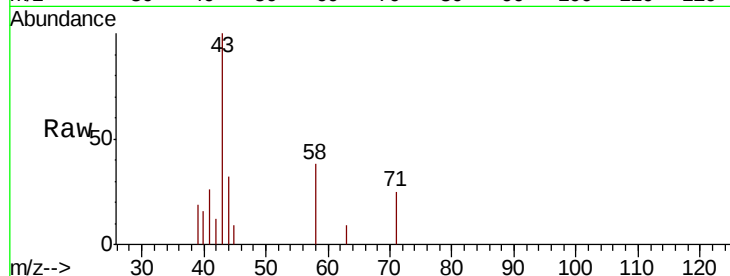
Ion Ratio Lower Upper

43 100

70 0.0 26.1 39.1#

55 2.7 16.3 24.5#

61 0.0 15.0 22.4#

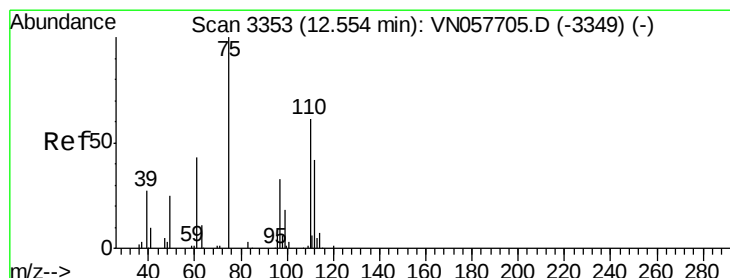
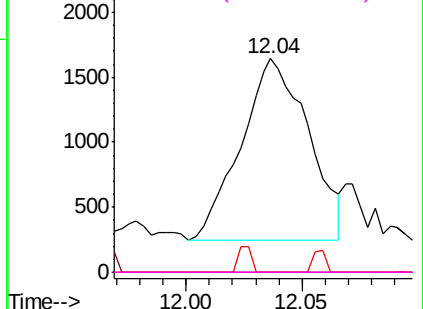
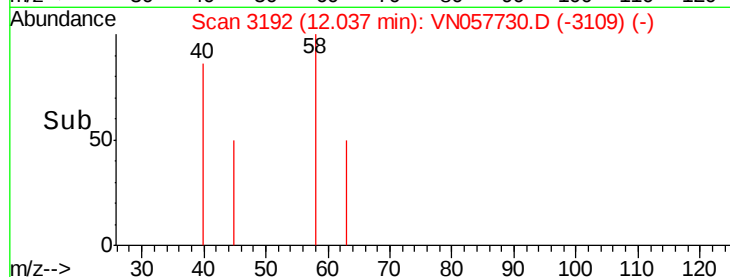


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 37.412 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057730.D

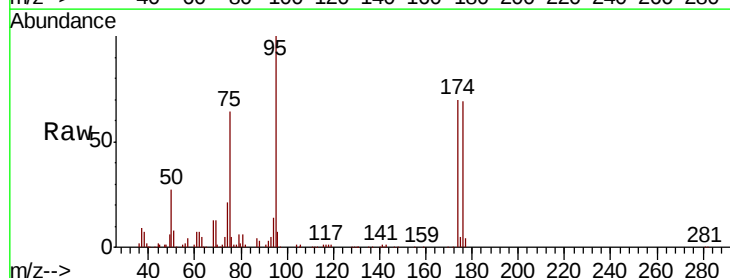
Acq: 6 Sep 2019 21:55

Tgt Ion: 75 Resp: 127959

Ion Ratio Lower Upper

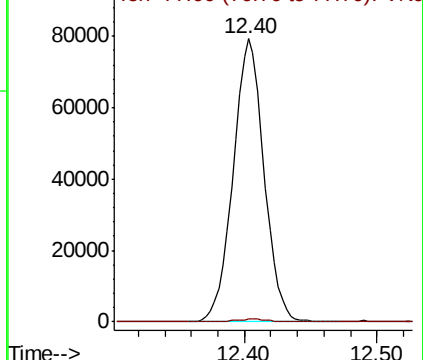
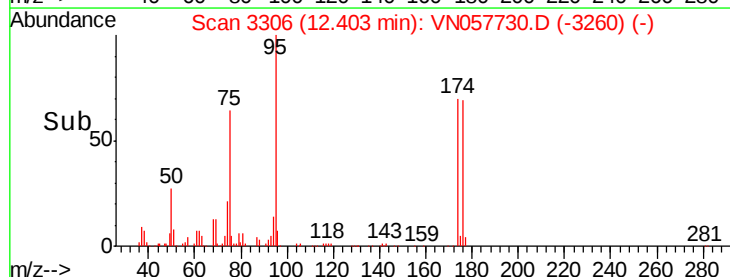
75 100

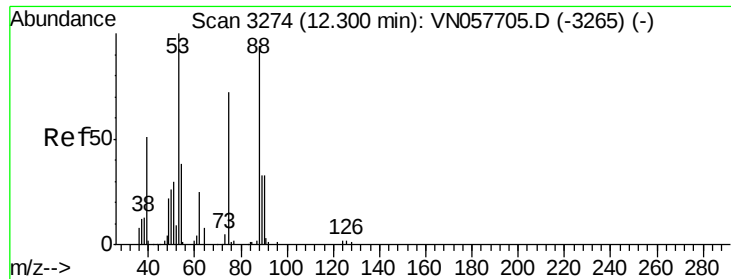
77 1.0 0.0 0.0#



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: 116.350 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057730.D
 Acq: 6 Sep 2019 21:55

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-B2-(3.5)

Tgt Ion: 75 Resp: 127959
 Ion Ratio Lower Upper
 75 100
 53 0.0 107.0 160.6#
 89 0.0 36.5 54.7#

