

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090619\
 Data File : VN057724.D
 Acq On : 6 Sep 2019 19:43
 Operator : JC/SP
 Sample : K4580-22
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-A4-(3.5)

Quant Time: Sep 06 23:27:09 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	199845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	344635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	311945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	155481	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	259499	53.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.76%	
35) Dibromofluoromethane	7.58	113	157330	50.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.24%	
50) Toluene-d8	10.08	98	598618	51.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.40	95	221298	45.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.76%	

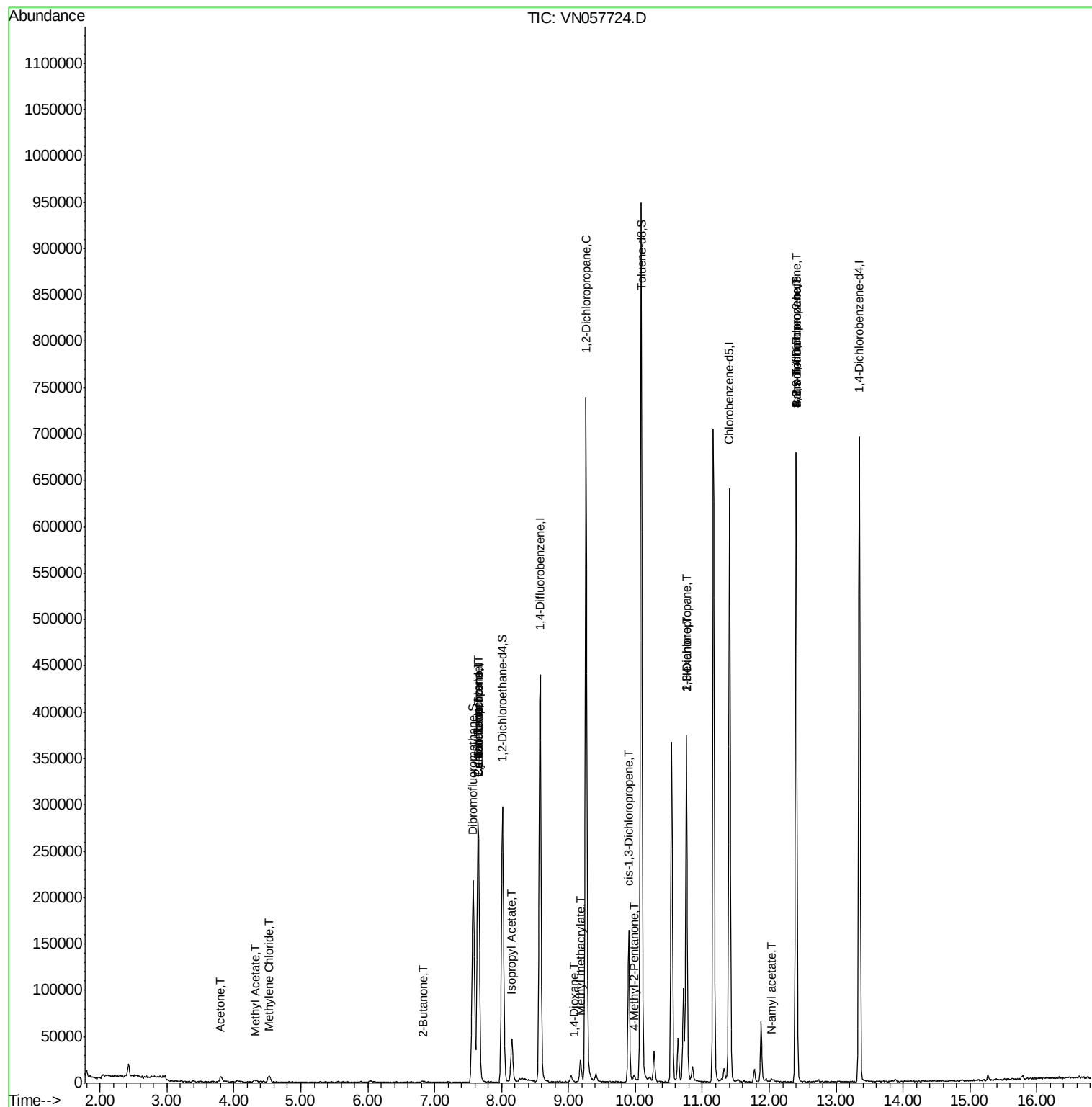
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2075	Below Cal		94
16) Acetone	3.80	43	4296	2.871	ug/l #	87
18) Methyl Acetate	4.31	43	1645	0.404	ug/l	96
20) Methylene Chloride	4.53	84	3887	1.202	ug/l #	76
25) 2-Butanone	6.83	43	1789	0.835	ug/l #	55
31) Cyclohexane	7.65	56	6446	1.181	ug/l #	51
36) 1,1-Dichloropropene	7.65	75	20483	4.468	ug/l #	52
38) Carbon Tetrachloride	7.65	117	24322	5.540	ug/l #	15
43) Isopropyl Acetate	8.16	43	57445	6.575	ug/l	99
45) 1,2-Dichloropropane	9.26	63	845	0.233	ug/l #	44
48) Methyl methacrylate	9.17	41	4186	0.932	ug/l #	16
49) 1,4-Dioxane	9.09	88	30	0.574	ug/l #	19
51) 4-Methyl-2-Pentanone	9.98	43	3183	0.656	ug/l #	51
54) cis-1,3-Dichloropropene	9.90	75	23268	4.342	ug/l #	67
57) 1,3-Dichloropropane	10.77	76	3219	0.567	ug/l #	43
59) 2-Hexanone	10.76	43	63574	18.581	ug/l #	55
71) Bromoform	12.40	173	841	3.614	ug/l #	1
74) N-amyl acetate	12.03	43	2369	0.345	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	128647	36.031	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	128647	112.058	ug/l #	1

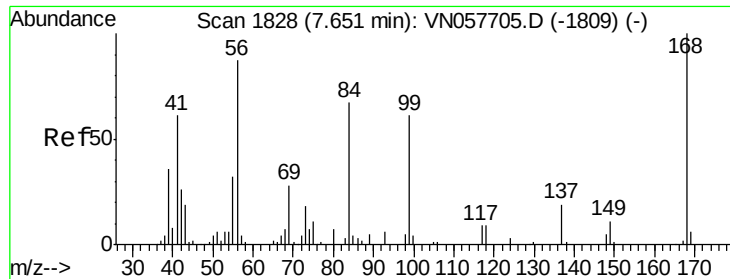
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057724.D

Acq: 6 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

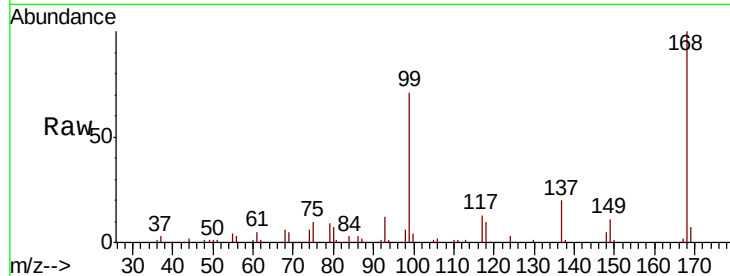
T12-A4-(3.5)

Tgt Ion:168 Resp: 199845

Ion Ratio Lower Upper

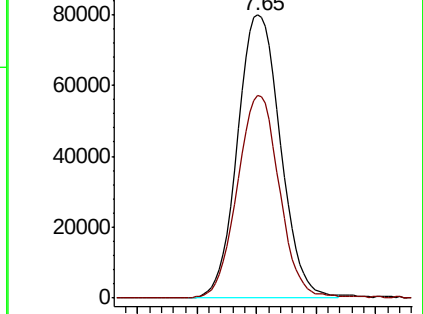
168 100

99 71.4 57.4 86.0

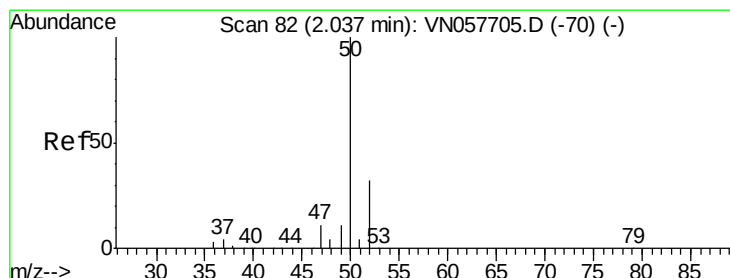
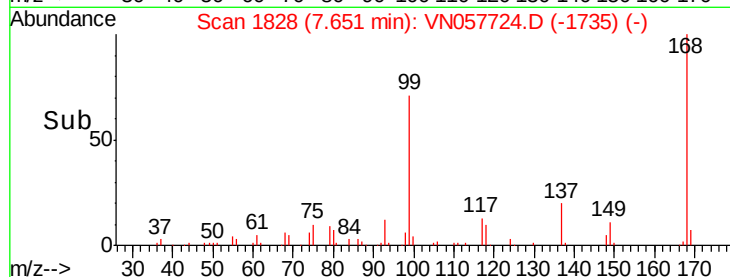


Abundance Ion 167.90 (167.60 to 168.60): VN057724.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN057724.D (-1735) (-)



Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057724.D

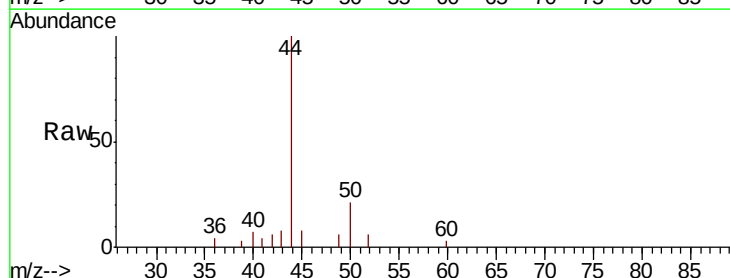
Acq: 6 Sep 2019 19:43

Tgt Ion: 50 Resp: 2075

Ion Ratio Lower Upper

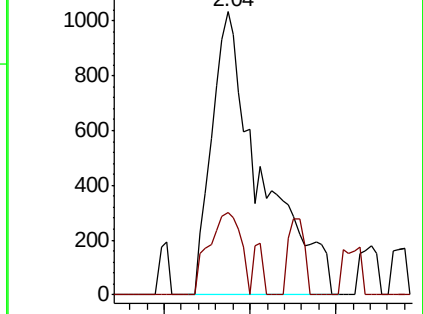
50 100

52 28.9 26.0 39.0

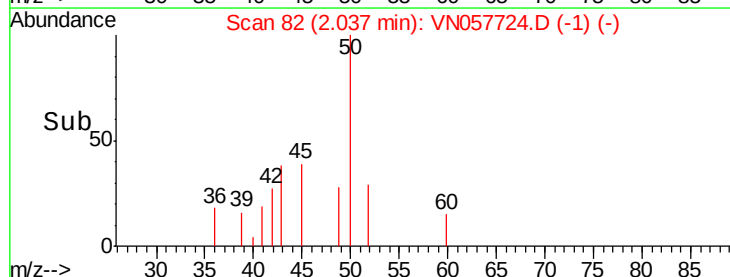


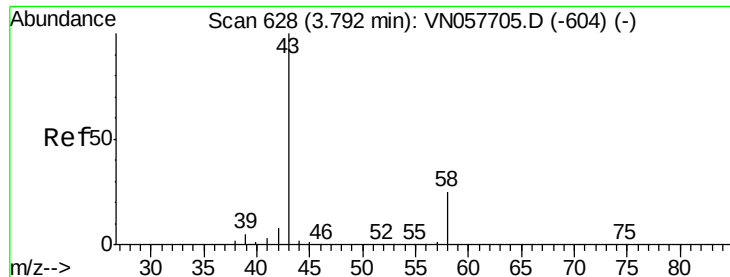
Abundance Ion 49.90 (49.60 to 50.60): VN057724.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN057724.D (-1) (-)



Time-->

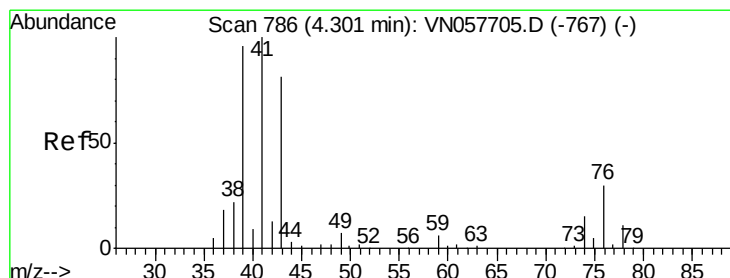
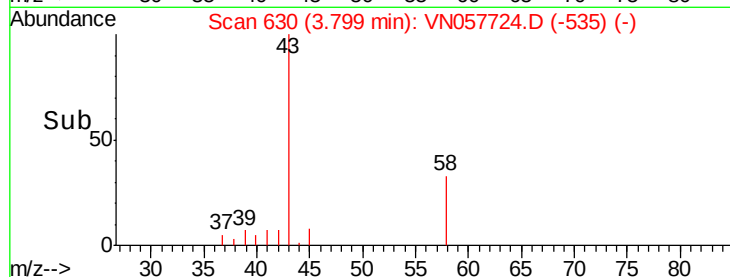
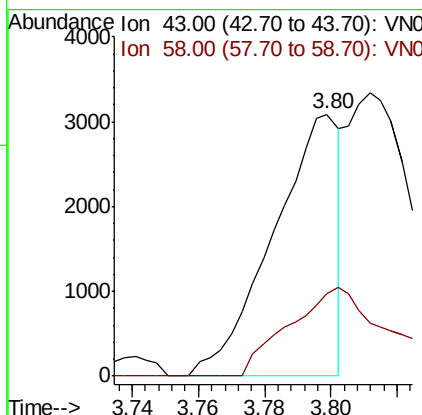
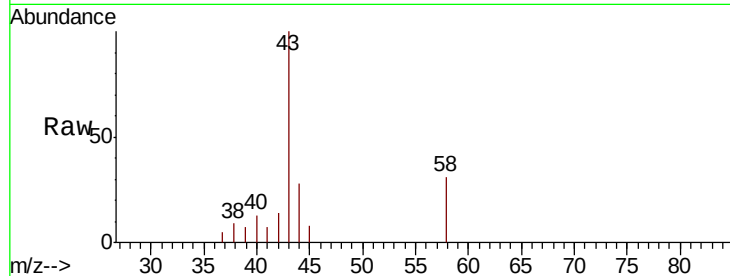




#16
Acetone
Concen: 2.871 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.01 min
Lab File: VN057724.D
Acq: 6 Sep 2019 19:43

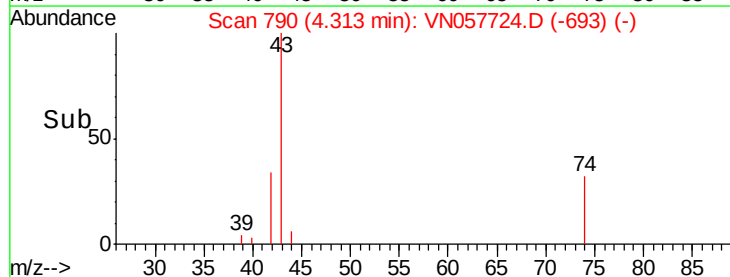
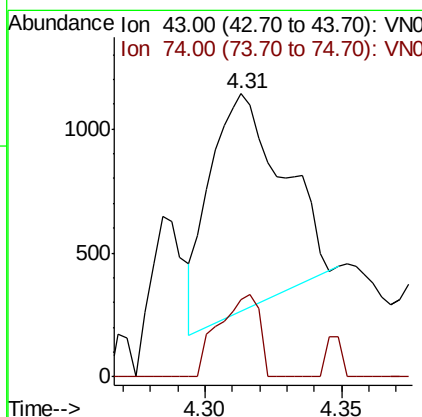
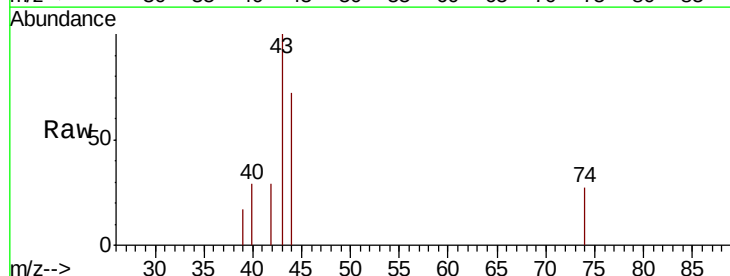
Instrument :
MSVOA_N
ClientSampleId :
T12-A4-(3.5)

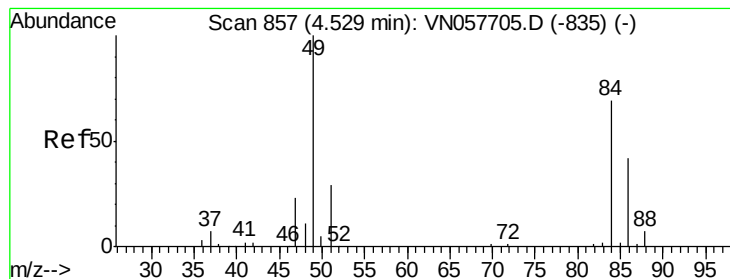
Tgt Ion: 43 Resp: 4296
Ion Ratio Lower Upper
43 100
58 31.2 19.8 29.8#



#18
Methyl Acetate
Concen: 0.404 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057724.D
Acq: 6 Sep 2019 19:43

Tgt Ion: 43 Resp: 1645
Ion Ratio Lower Upper
43 100
74 21.0 15.3 22.9





#20

Methylene Chloride

Concen: 1.202 ug/l

RT: 4.53 min Scan# 857

Delta R.T. -0.00 min

Lab File: VN057724.D

Acq: 6 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

T12-A4-(3.5)

Tgt Ion: 84 Resp: 3887

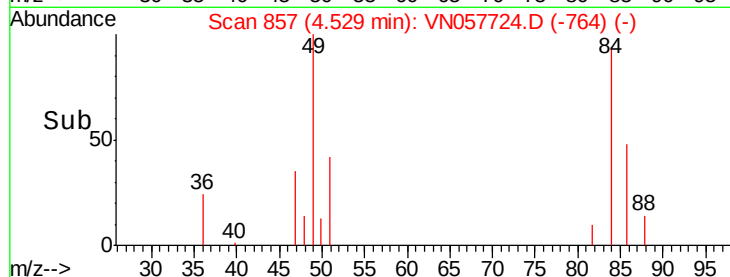
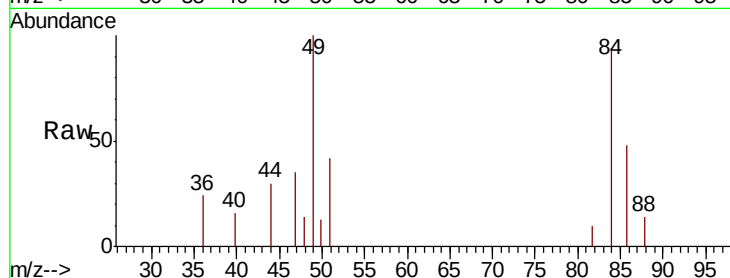
Ion Ratio Lower Upper

84 100

49 98.8 115.0 172.6#

51 50.9 33.8 50.8#

86 58.2 48.2 72.2

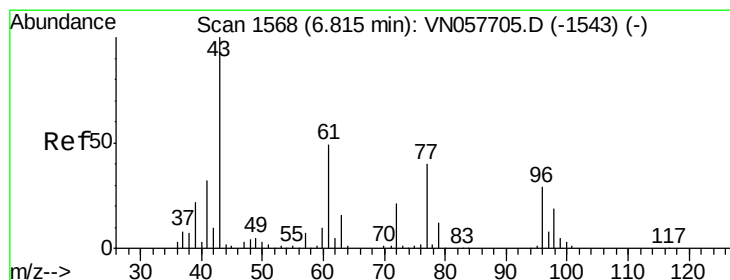
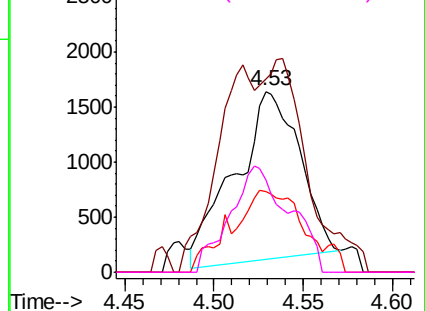


Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#25

2-Butanone

Concen: 0.835 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VN057724.D

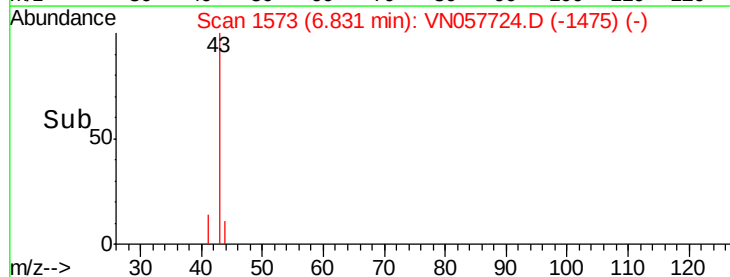
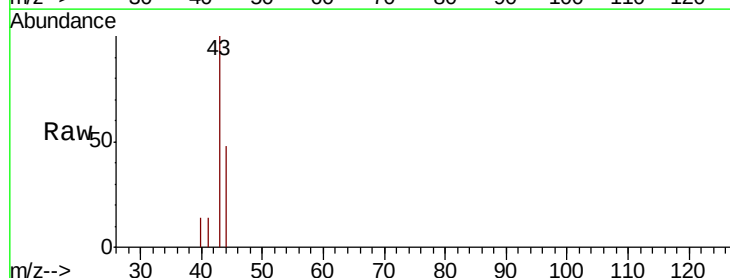
Acq: 6 Sep 2019 19:43

Tgt Ion: 43 Resp: 1789

Ion Ratio Lower Upper

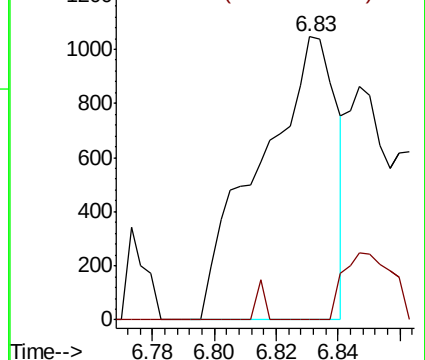
43 100

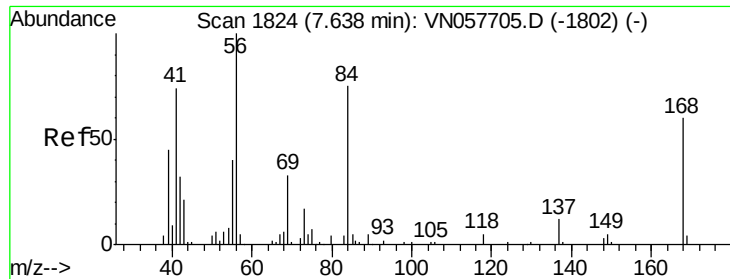
72 0.0 17.0 25.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

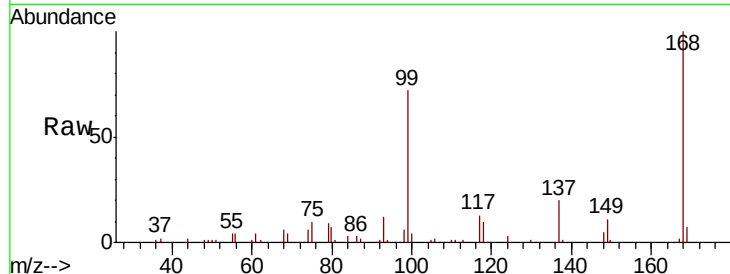




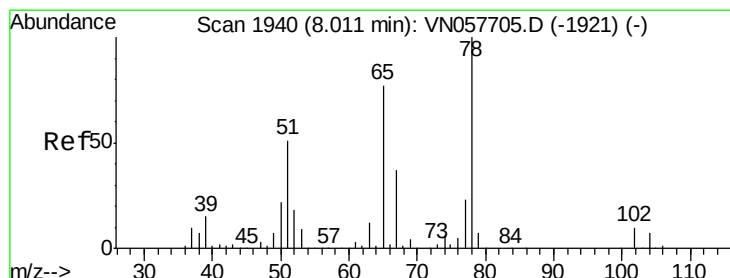
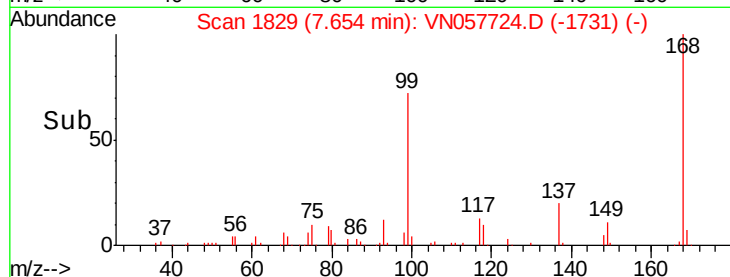
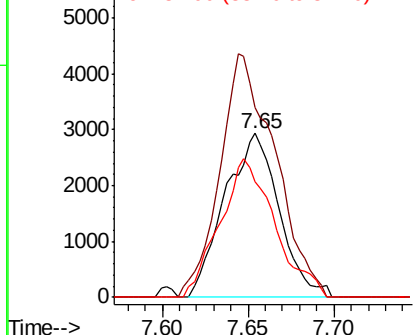
#31
Cyclohexane
Concen: 1.181 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.02 min
Lab File: VN057724.D
Acq: 6 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
T12-A4-(3.5)

Tgt Ion: 56 Resp: 6446
Ion Ratio Lower Upper
56 100
69 115.5 26.2 39.2#
84 70.2 59.8 89.8

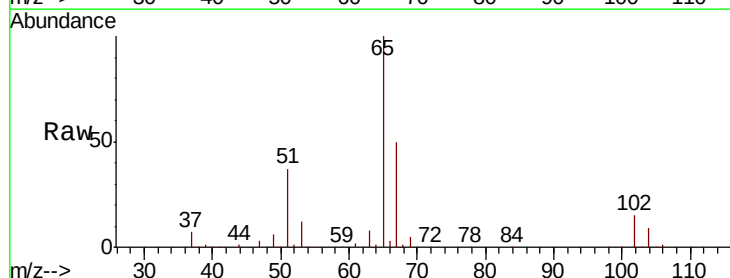


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

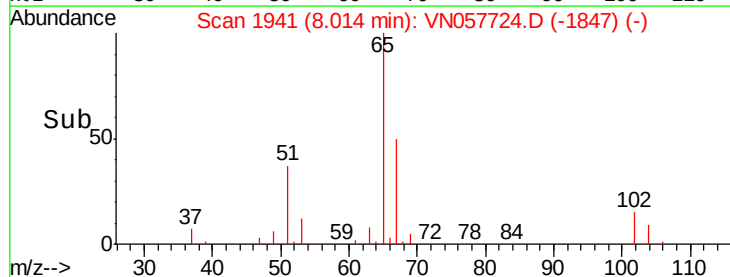
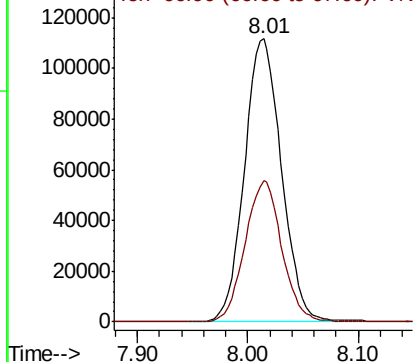


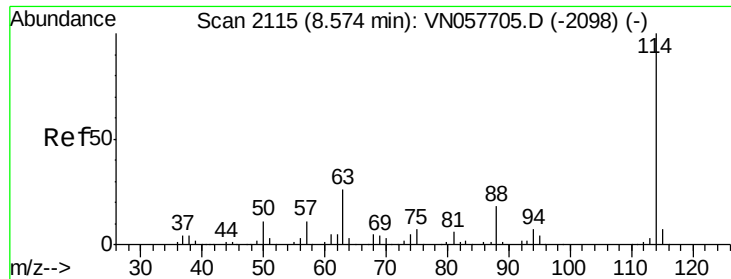
#33
1,2-Dichloroethane-d4
Concen: 53.377 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057724.D
Acq: 6 Sep 2019 19:43

Tgt Ion: 65 Resp: 259499
Ion Ratio Lower Upper
65 100
67 49.7 0.0 98.2



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

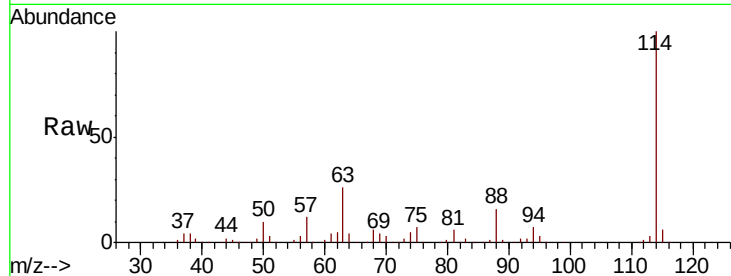




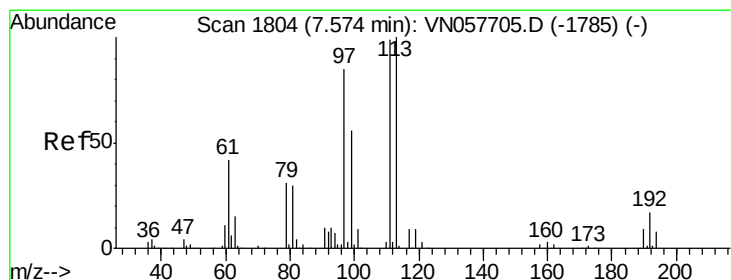
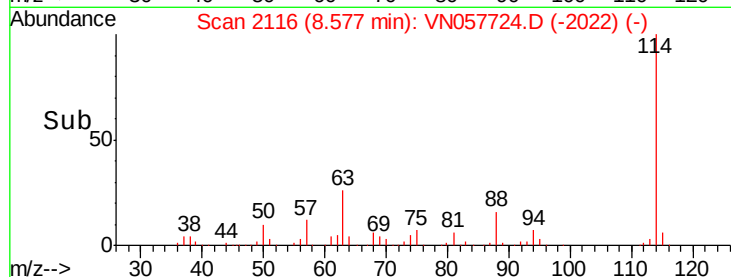
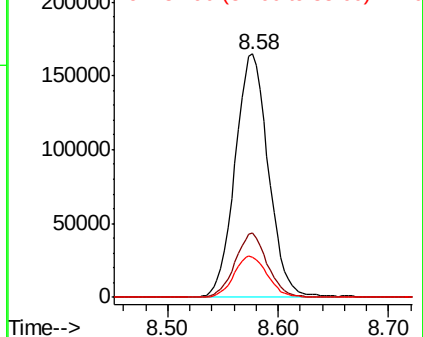
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057724.D
 Acq: 6 Sep 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-A4-(3.5)

Tgt Ion:114 Resp: 344635
 Ion Ratio Lower Upper
 114 100
 63 26.3 0.0 52.4
 88 16.4 0.0 35.4

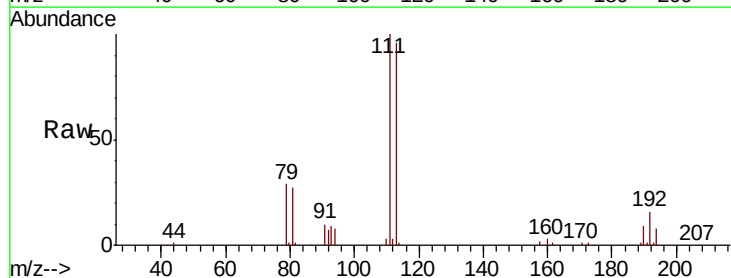


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

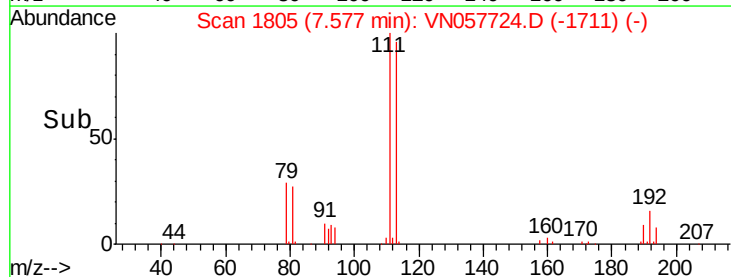
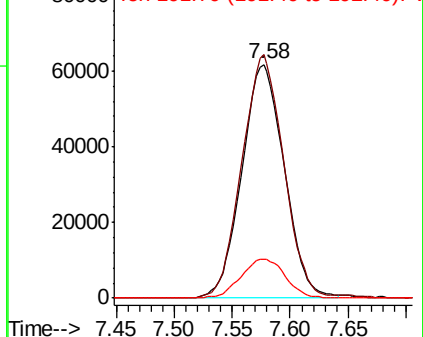


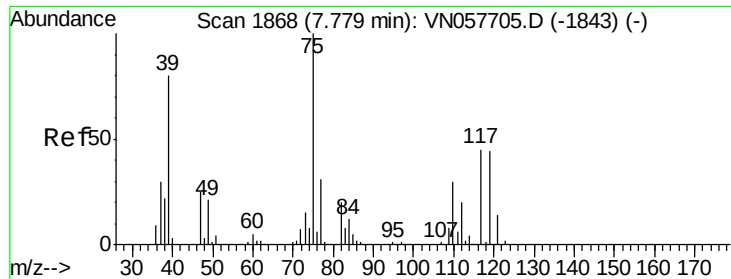
#35
 Dibromofluoromethane
 Concen: 50.119 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057724.D
 Acq: 6 Sep 2019 19:43

Tgt Ion:113 Resp: 157330
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.7 124.1
 192 17.2 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

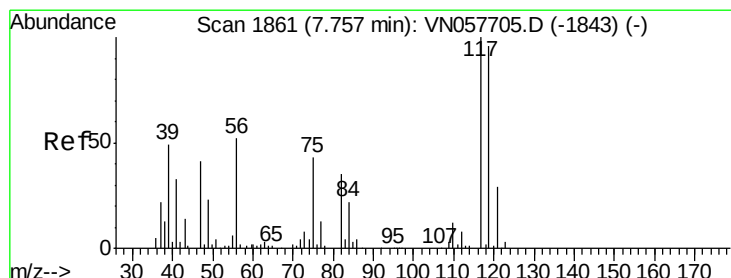
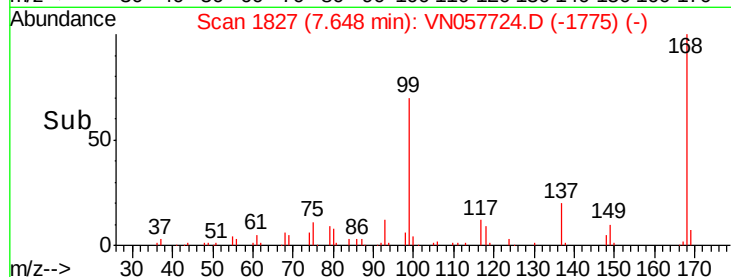
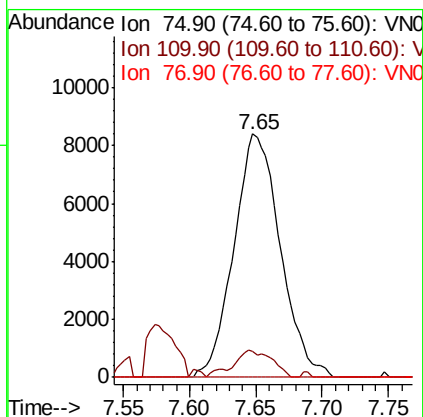
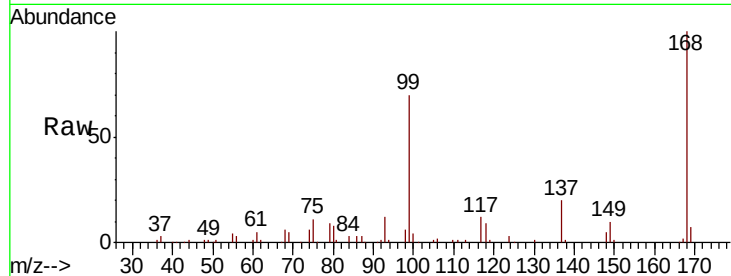




#36
 1,1-Dichloropropene
 Concen: 4.468 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057724.D
 Acq: 6 Sep 2019 19:43

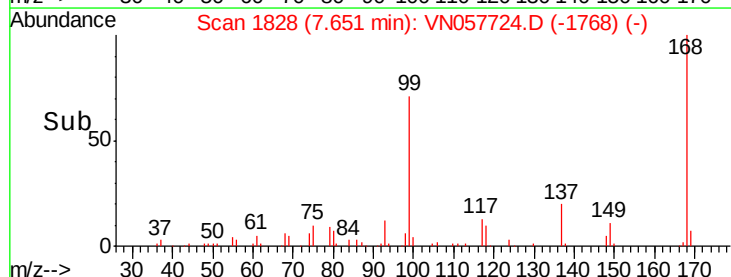
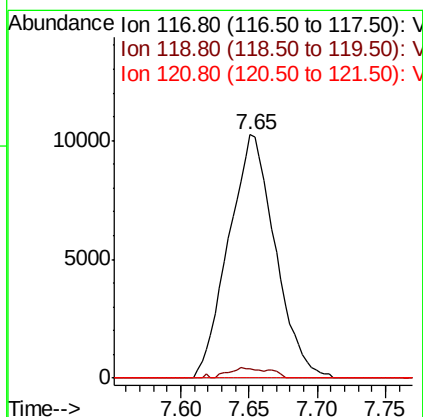
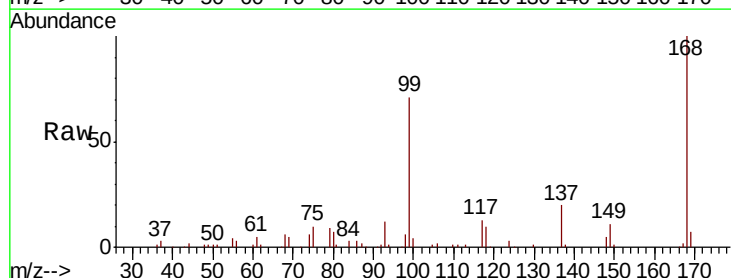
Instrument :
 MSVOA_N
 ClientSampled :
 T12-A4-(3.5)

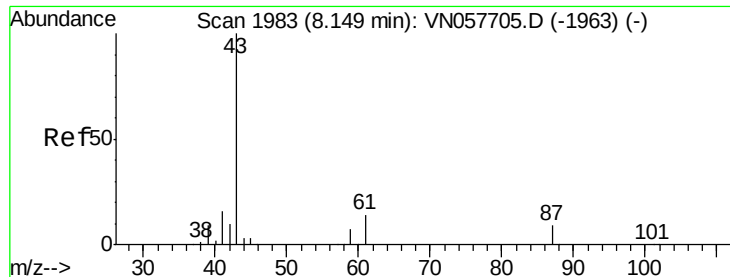
Tgt Ion: 75 Resp: 20483
 Ion Ratio Lower Upper
 75 100
 110 8.1 15.0 45.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.540 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057724.D
 Acq: 6 Sep 2019 19:43

Tgt Ion: 117 Resp: 24322
 Ion Ratio Lower Upper
 117 100
 119 3.6 76.1 114.1#
 121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 6.575 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057724.D

Acq: 6 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

T12-A4-(3.5)

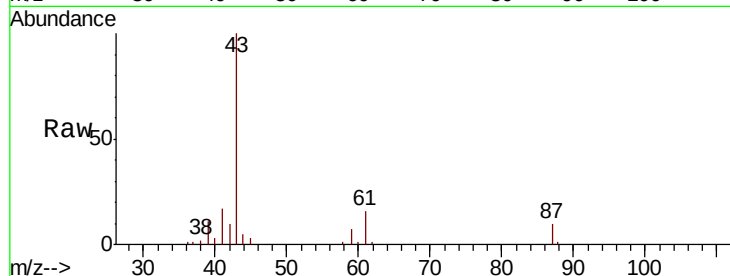
Tgt Ion: 43 Resp: 57445

Ion Ratio Lower Upper

43 100

61 16.4 12.8 19.2

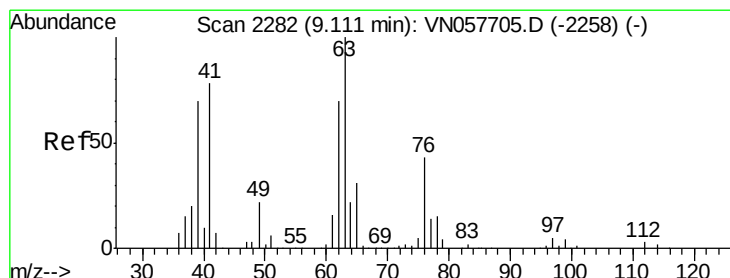
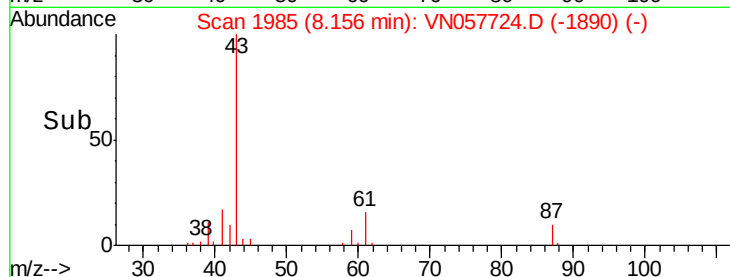
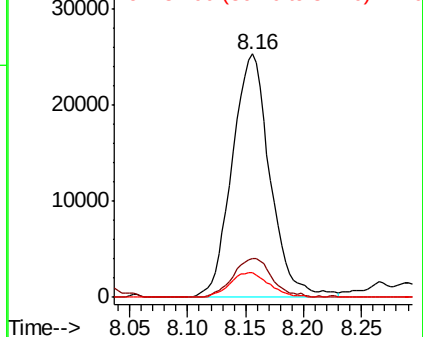
87 10.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.233 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.15 min

Lab File: VN057724.D

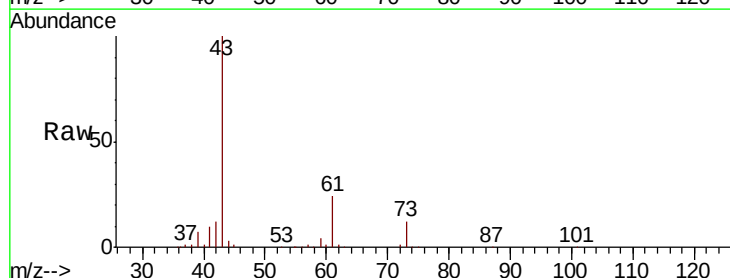
Acq: 6 Sep 2019 19:43

Tgt Ion: 63 Resp: 845

Ion Ratio Lower Upper

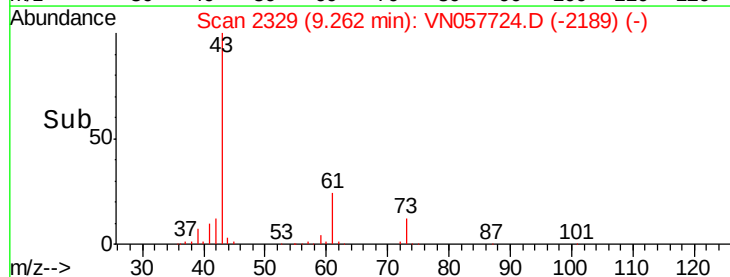
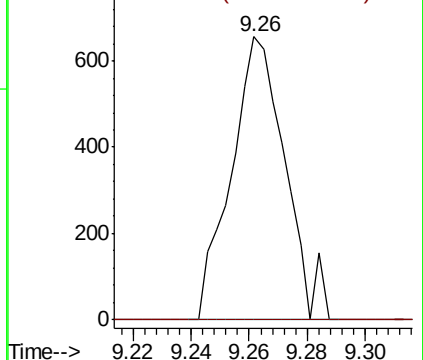
63 100

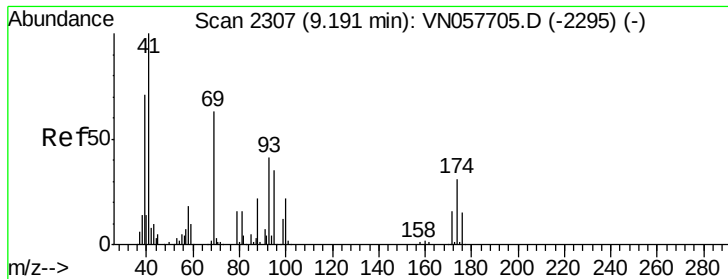
65 0.0 24.5 36.7#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

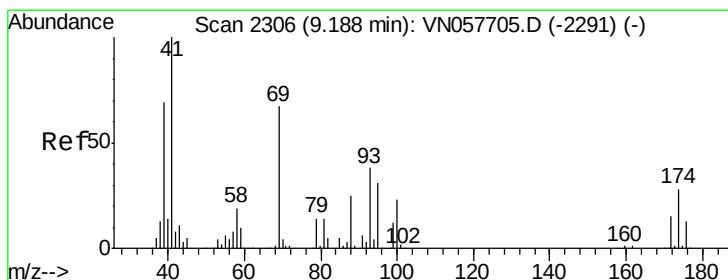
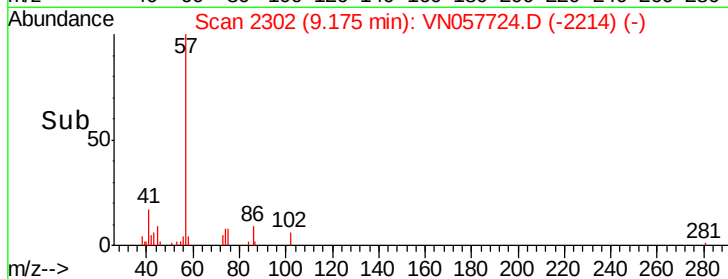
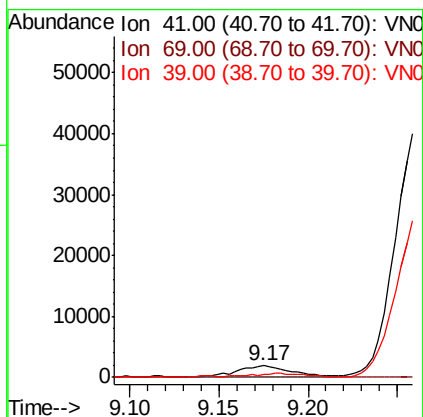
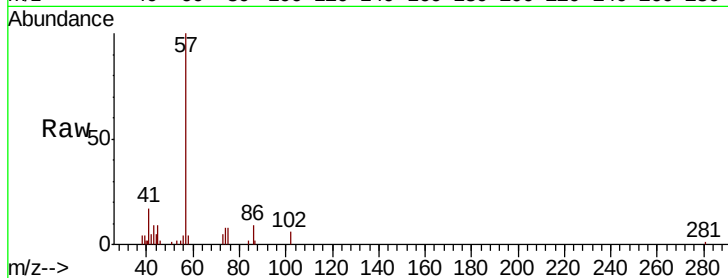




#48
Methyl methacrylate
Concen: 0.932 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN057724.D
Acq: 6 Sep 2019 19:43

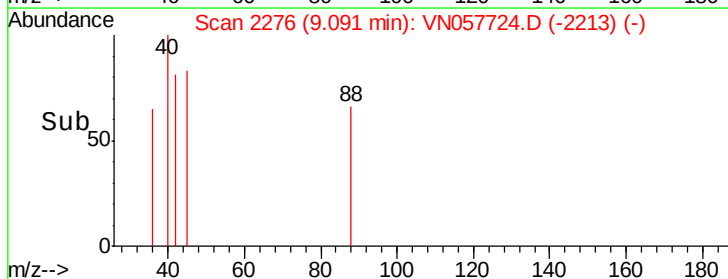
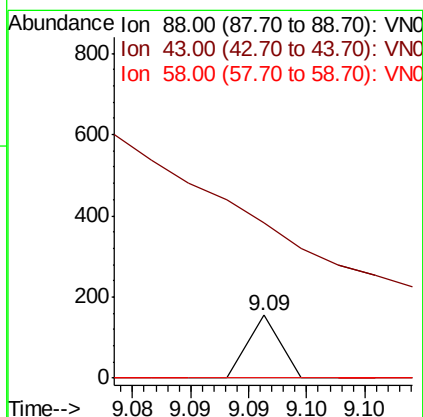
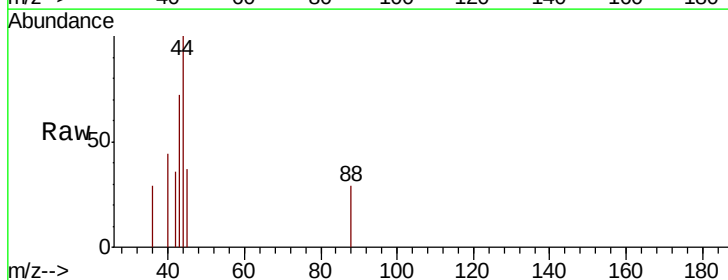
Instrument :
MSVOA_N
ClientSampled :
T12-A4-(3.5)

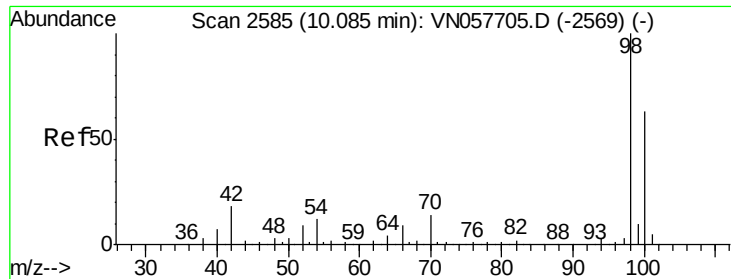
Tgt Ion: 41 Resp: 4186
Ion Ratio Lower Upper
41 100
69 0.0 51.2 76.8#
39 0.0 57.3 85.9#



#49
1,4-Dioxane
Concen: 0.574 ug/l
RT: 9.09 min Scan# 2276
Delta R.T. -0.10 min
Lab File: VN057724.D
Acq: 6 Sep 2019 19:43

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 0.0 35.4 53.2#
58 0.0 61.5 92.3#





#50

Toluene-d8

Concen: 51.550 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057724.D

Acq: 6 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampled :

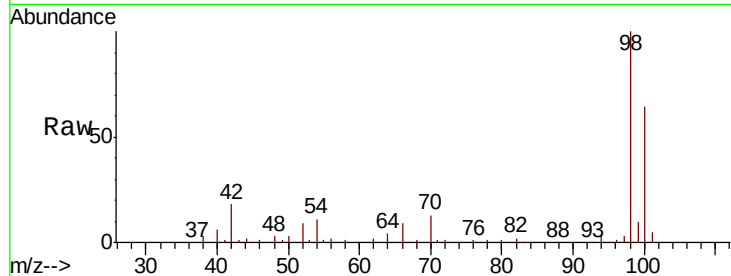
T12-A4-(3.5)

Tgt Ion: 98 Resp: 598618

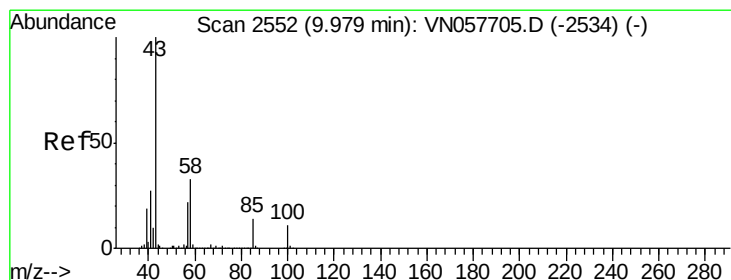
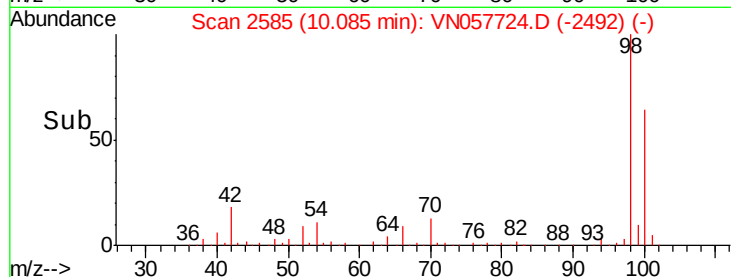
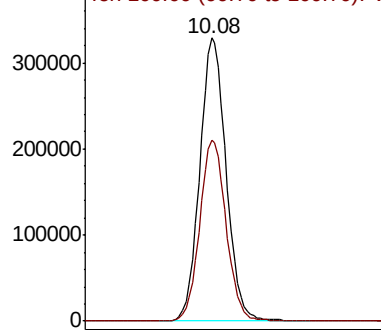
Ion Ratio Lower Upper

98 100

100 64.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN057724.D (-2492) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.656 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057724.D

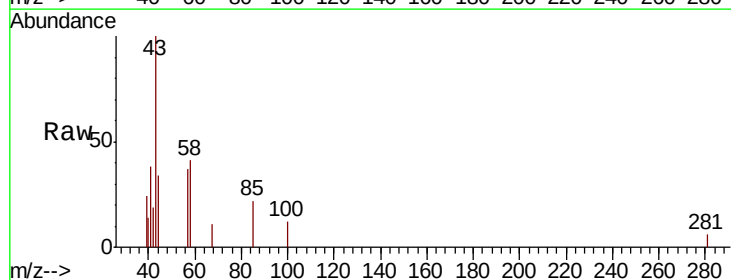
Acq: 6 Sep 2019 19:43

Tgt Ion: 43 Resp: 3183

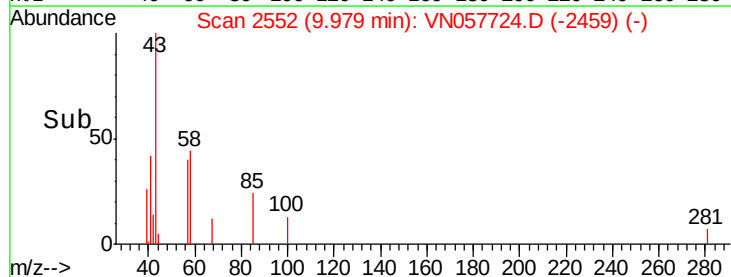
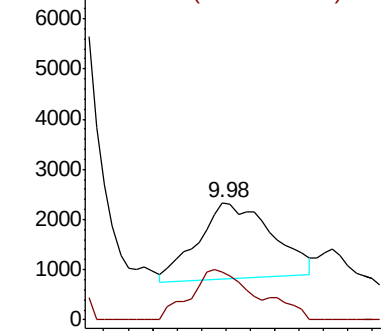
Ion Ratio Lower Upper

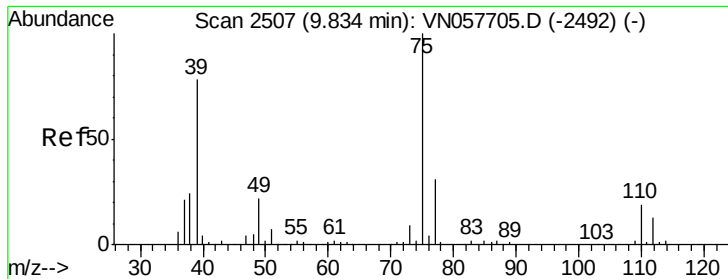
43 100

58 59.7 25.8 38.8#



Abundance Ion 43.00 (42.70 to 43.70): VN057724.D (-2459) (-)



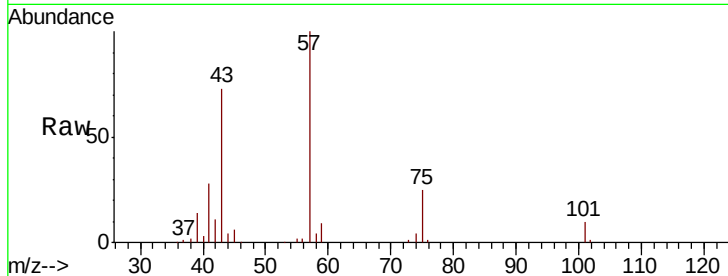


#54

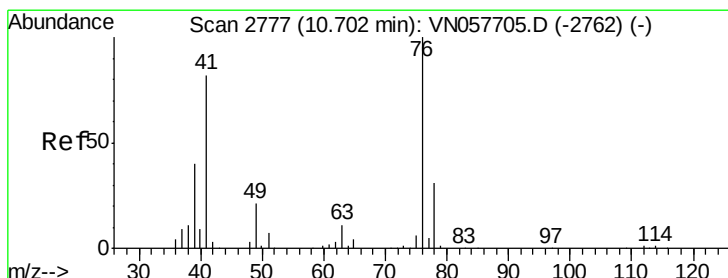
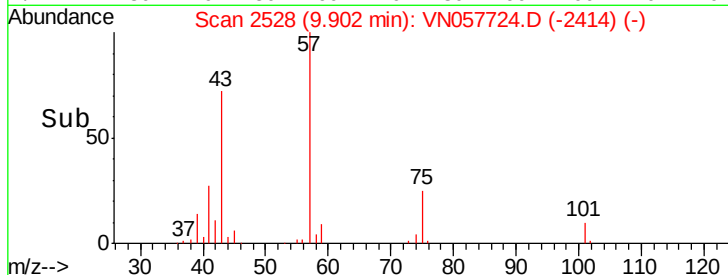
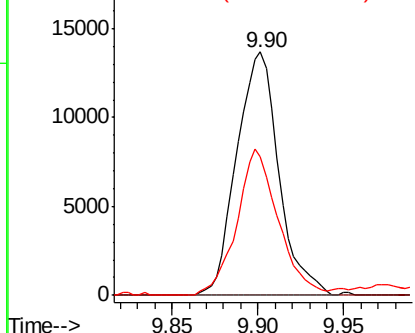
cis-1,3-Dichloropropene
 Concen: 4.342 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN057724.D
 Acq: 6 Sep 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-A4-(3.5)

Tgt Ion: 75 Resp: 23268
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 57.0 62.4 93.6#



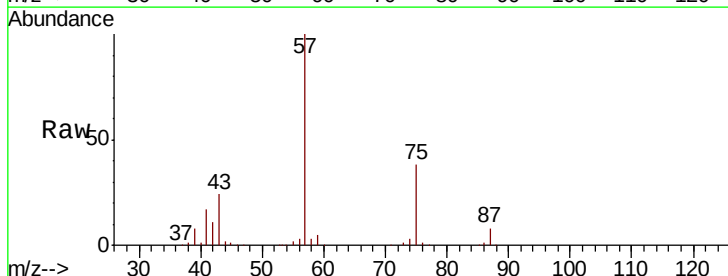
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



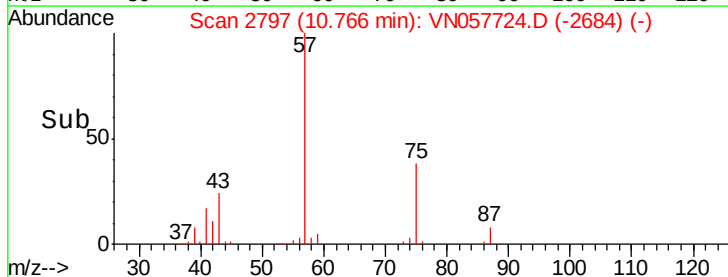
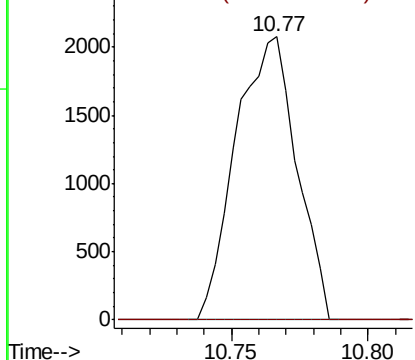
#57

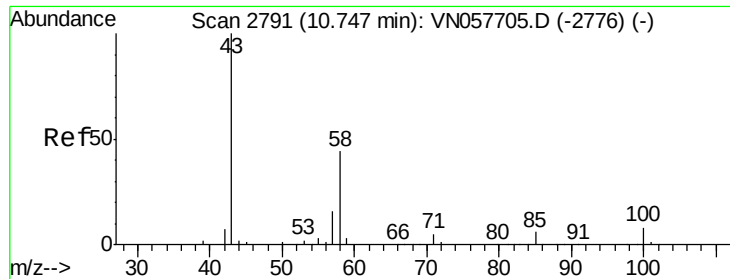
1,3-Dichloropropane
 Concen: 0.567 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN057724.D
 Acq: 6 Sep 2019 19:43

Tgt Ion: 76 Resp: 3219
 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

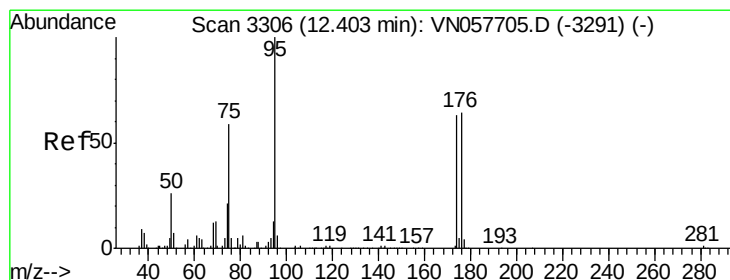
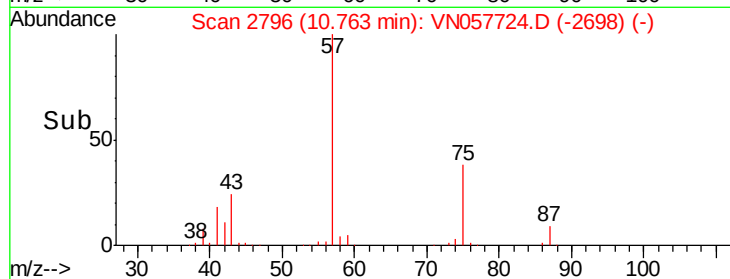
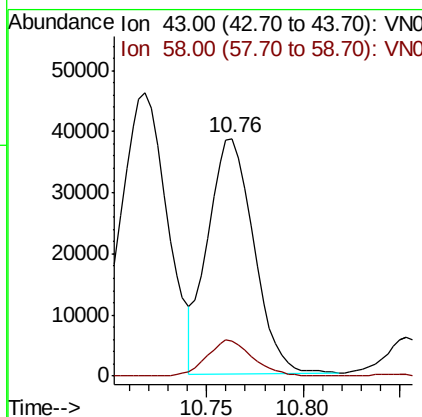
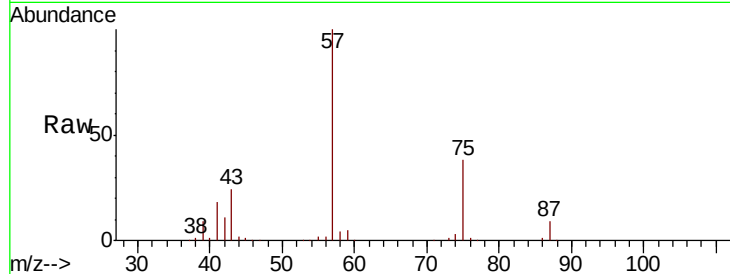




#59
2-Hexanone
Concen: 18.581 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.02 min
Lab File: VN057724.D
Acq: 6 Sep 2019 19:43

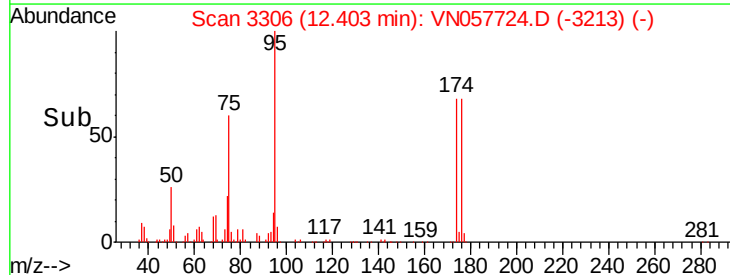
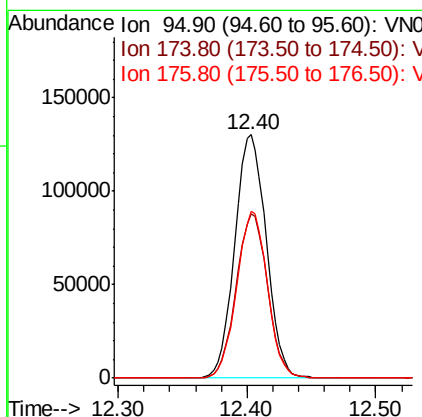
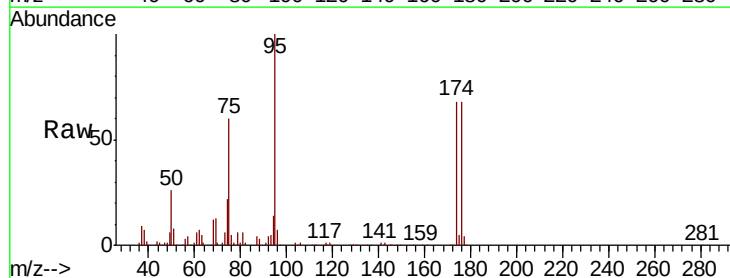
Instrument :
MSVOA_N
ClientSampled :
T12-A4-(3.5)

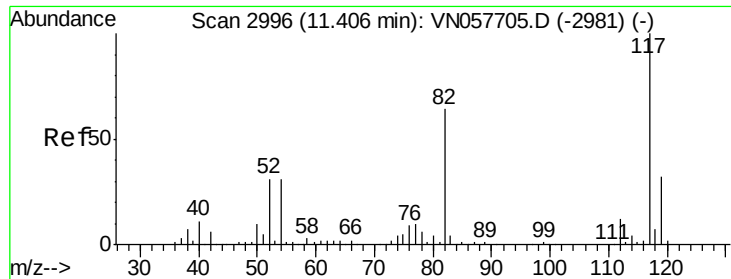
Tgt Ion: 43 Resp: 63574
Ion Ratio Lower Upper
43 100
58 15.1 22.1 66.5#



#62
4-Bromofluorobenzene
Concen: 45.882 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN057724.D
Acq: 6 Sep 2019 19:43

Tgt Ion: 95 Resp: 221298
Ion Ratio Lower Upper
95 100
174 67.2 0.0 128.0
176 66.8 0.0 128.0

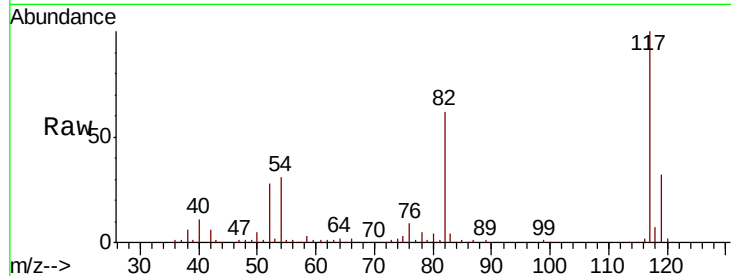




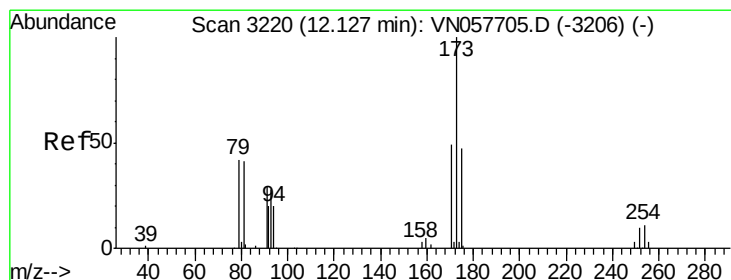
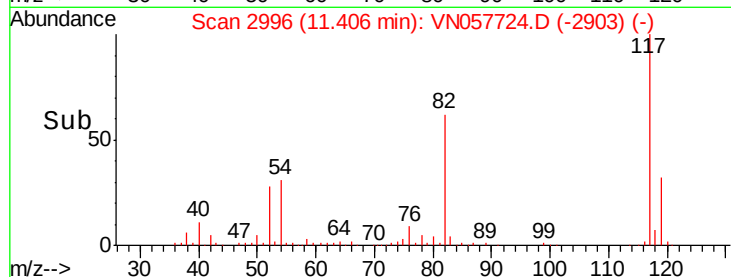
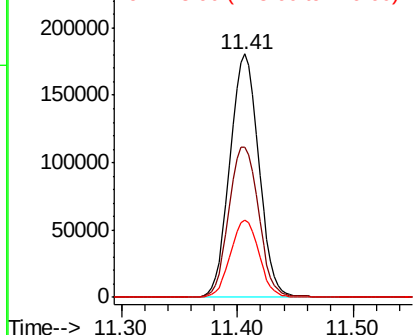
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057724.D
Acq: 6 Sep 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
T12-A4-(3.5)

Tgt Ion:117 Resp: 311945
Ion Ratio Lower Upper
117 100
82 61.8 51.4 77.0
119 31.7 25.4 38.2

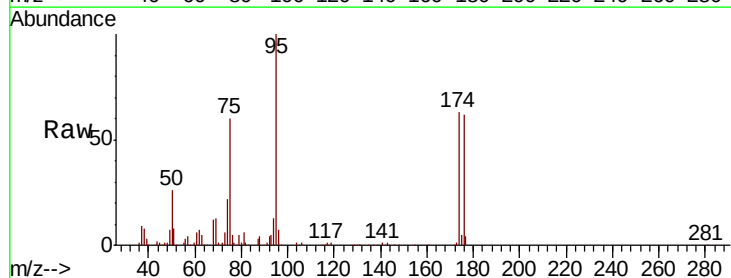


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

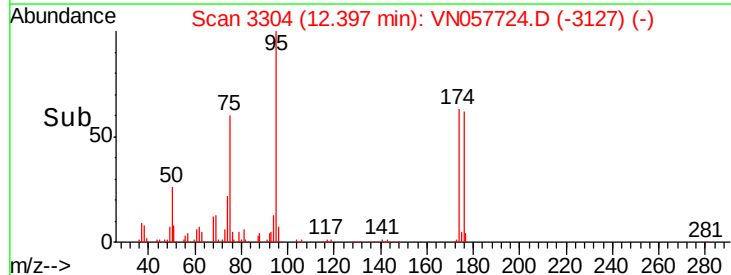
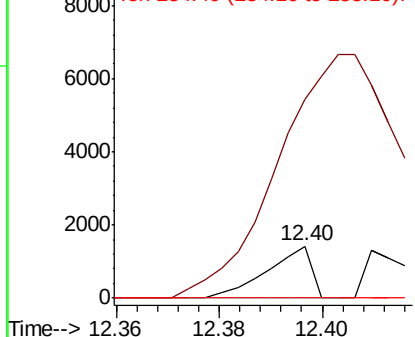


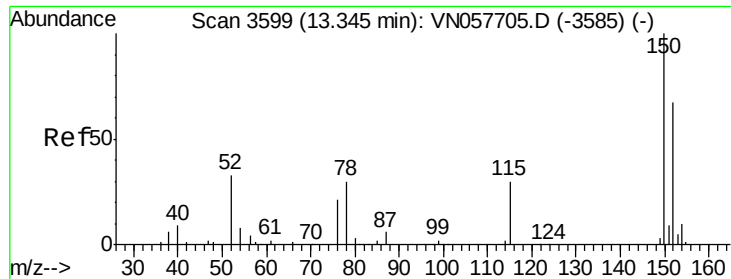
#71
Bromoform
Concen: 3.614 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN057724.D
Acq: 6 Sep 2019 19:43

Tgt Ion:173 Resp: 841
Ion Ratio Lower Upper
173 100
175 1104.8 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: VN057724.D

Acq: 6 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

T12-A4-(3.5)

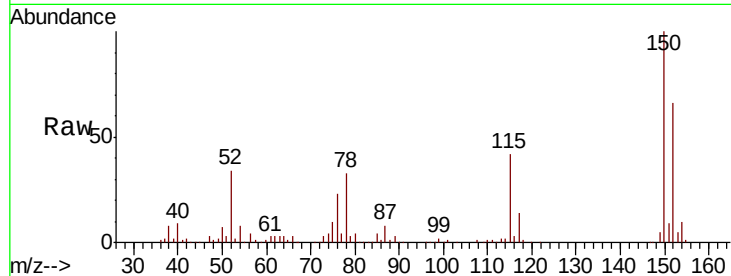
Tgt Ion:152 Resp: 155481

Ion Ratio Lower Upper

152 100

115 66.3 33.8 101.3

150 158.0 0.0 345.4

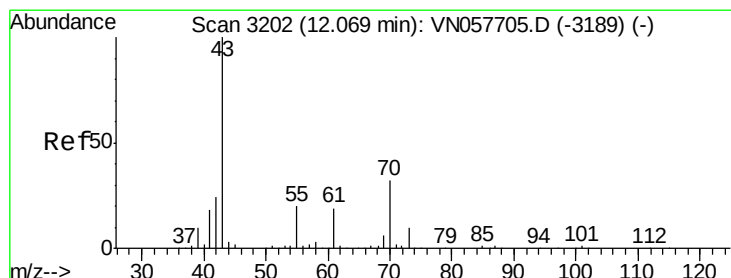
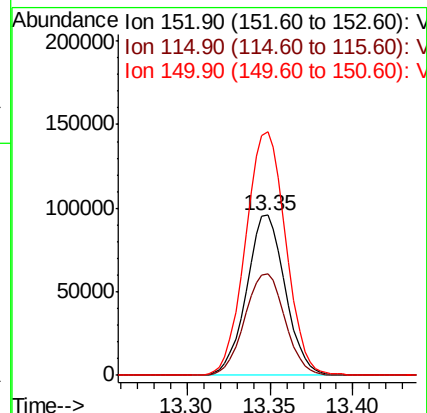
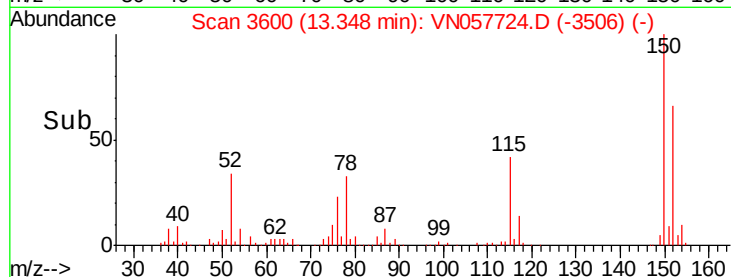


Abundance

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



#74

N-ethyl acetate

Concen: 0.345 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN057724.D

Acq: 6 Sep 2019 19:43

Tgt Ion: 43 Resp: 2369

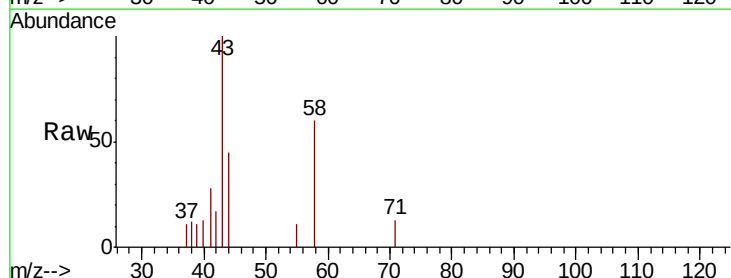
Ion Ratio Lower Upper

43 100

70 0.0 26.1 39.1#

55 3.7 16.3 24.5#

61 0.0 15.0 22.4#



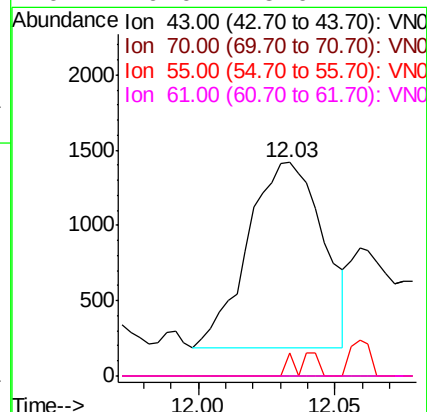
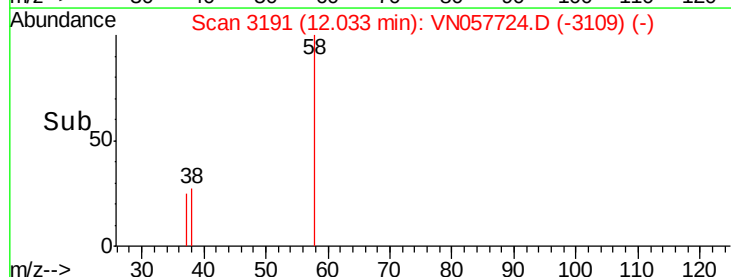
Abundance

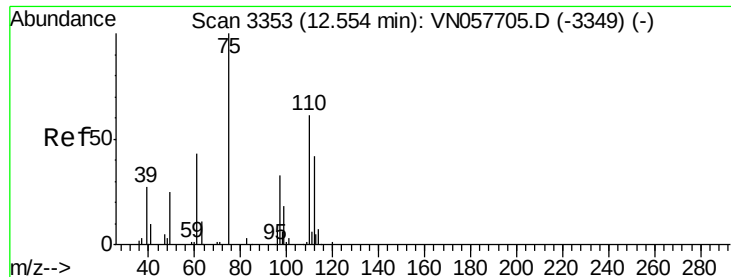
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 36.031 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057724.D

Acq: 6 Sep 2019 19:43

Instrument :

MSVOA_N

ClientSampled :

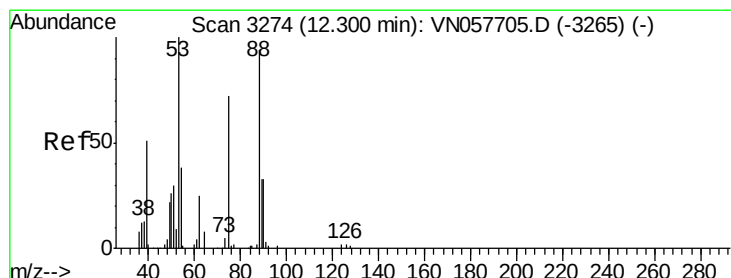
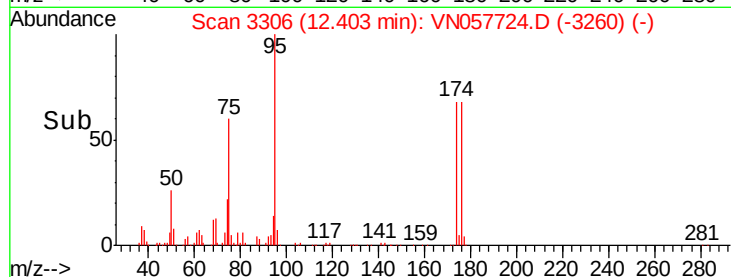
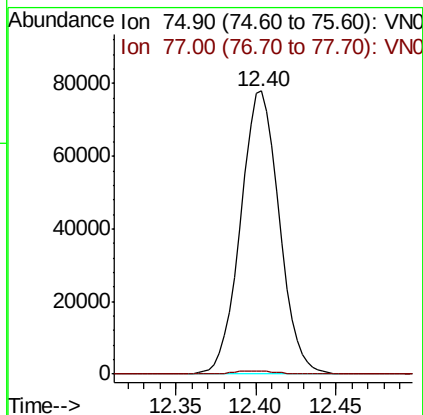
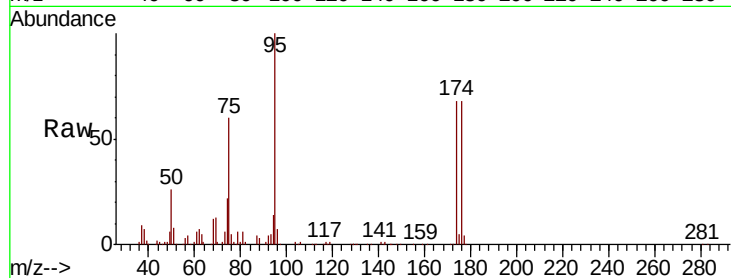
T12-A4-(3.5)

Tgt Ion: 75 Resp: 128647

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.058 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057724.D

Acq: 6 Sep 2019 19:43

Tgt Ion: 75 Resp: 128647

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

89 0.0 36.5 54.7#

