

Data File : VN057765.D
Acq On : 7 Sep 2019 19:31
Operator : JC/SP
Sample : K4581-37
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-D3-(3.5)

Quant Time: Sep 08 06:39:12 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	205144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	340787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	316368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	162289	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	258259	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
35) Dibromofluoromethane	7.57	113	156302	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
50) Toluene-d8	10.09	98	576071	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.40	95	214379	44.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.90%	

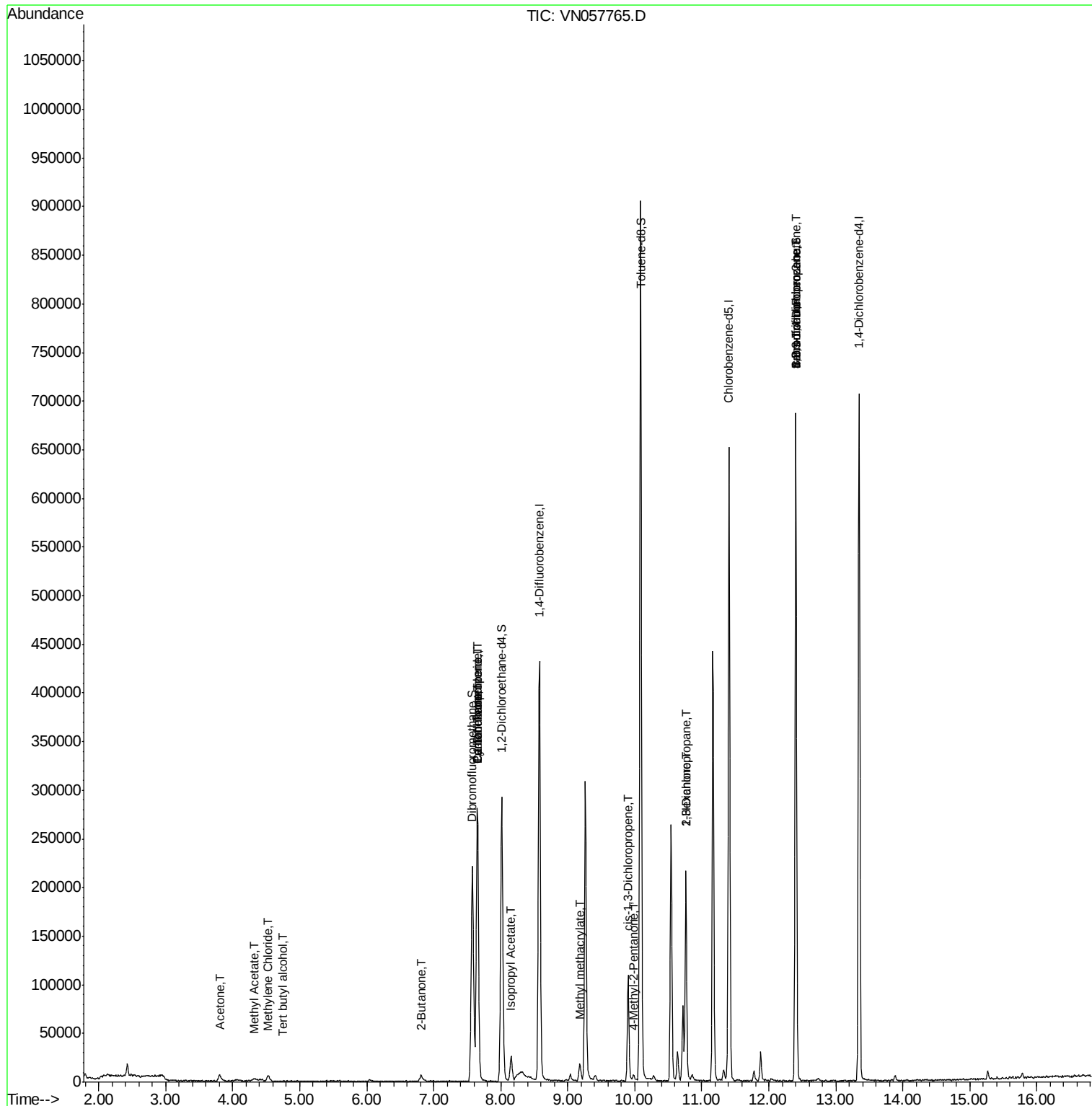
Target Compounds			Qvalue			
3) Chloromethane	2.04	50	473	Below Cal	#	42
11) Tert butyl alcohol	4.74	59	197	0.347	ug/l #	71
16) Acetone	3.80	43	12662	8.245	ug/l	97
18) Methyl Acetate	4.30	43	838	0.201	ug/l #	21
20) Methylene Chloride	4.53	84	3512	1.058	ug/l #	86
25) 2-Butanone	6.82	43	651	0.296	ug/l #	55
31) Cyclohexane	7.65	56	6490	1.159	ug/l #	33
36) 1,1-Dichloropropene	7.65	75	19349	4.268	ug/l #	54
38) Carbon Tetrachloride	7.65	117	21733	5.006	ug/l #	15
43) Isopropyl Acetate	8.16	43	30951	3.583	ug/l	98
48) Methyl methacrylate	9.18	41	3165	0.712	ug/l #	30
51) 4-Methyl-2-Pentanone	9.98	43	2477	0.516	ug/l #	59
54) cis-1,3-Dichloropropene	9.90	75	16196	3.056	ug/l #	64
57) 1,3-Dichloropropane	10.76	76	2034	0.362	ug/l #	43
59) 2-Hexanone	10.76	43	34062	10.068	ug/l #	61
71) Bromoform	12.39	173	261	3.356	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	131744	35.351	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	131744	109.941	ug/l #	1

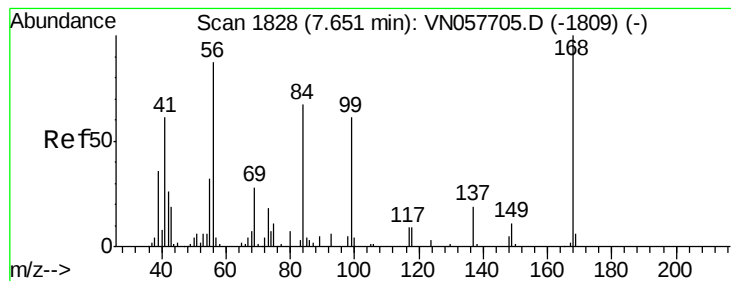
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057765.D

Acq: 7 Sep 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

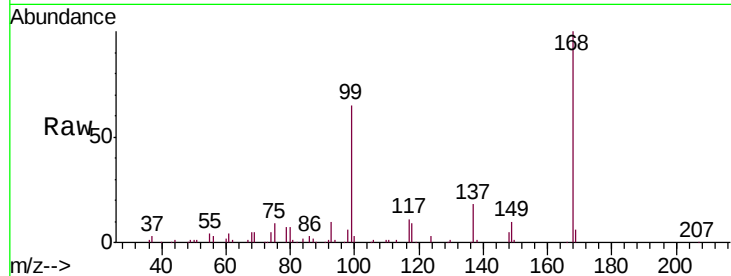
T12-D3-(3.5)

Tgt Ion:168 Resp: 205144

Ion Ratio Lower Upper

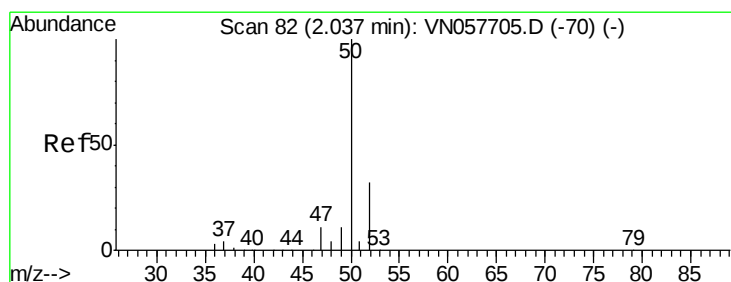
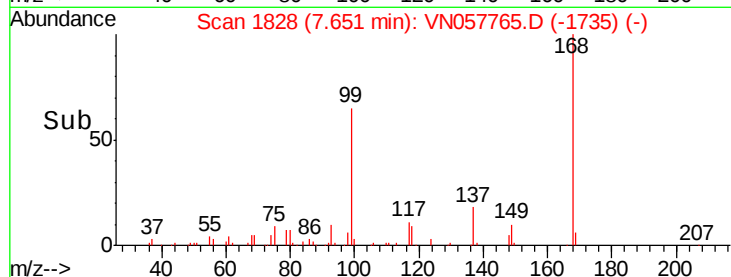
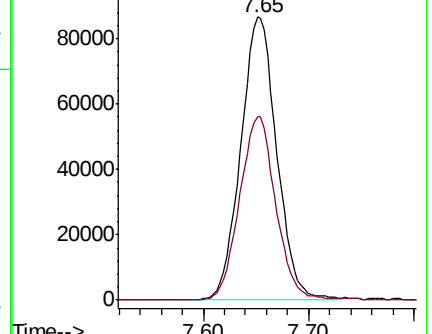
168 100

99 65.0 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN057765.D

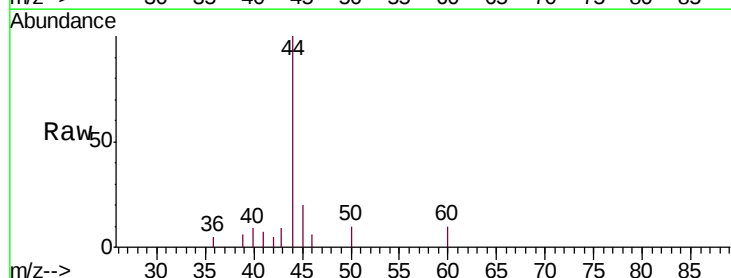
Acq: 7 Sep 2019 19:31

Tgt Ion: 50 Resp: 473

Ion Ratio Lower Upper

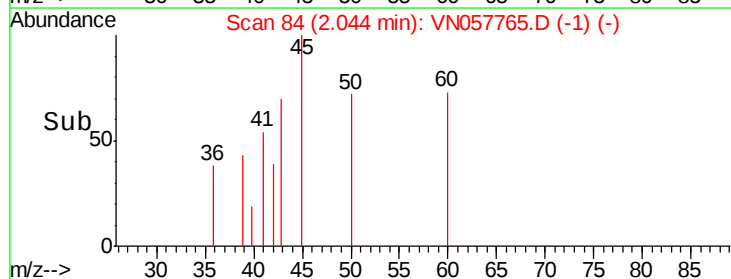
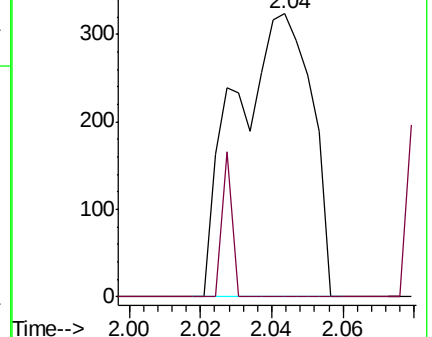
50 100

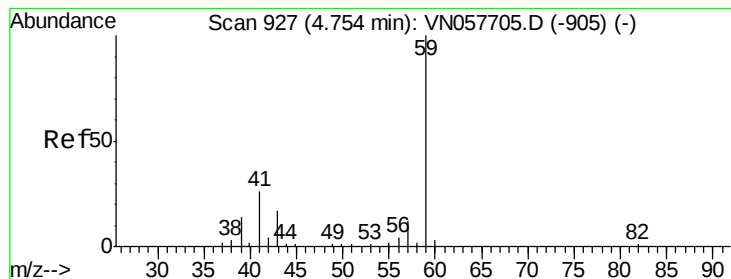
52 0.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#11

Tert butyl alcohol

Concen: 0.347 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.01 min

Lab File: VN057765.D

Acq: 7 Sep 2019 19:31

Instrument :

MSVOA_N

ClientSampled :

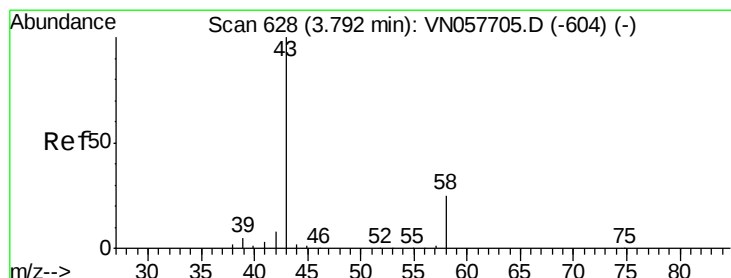
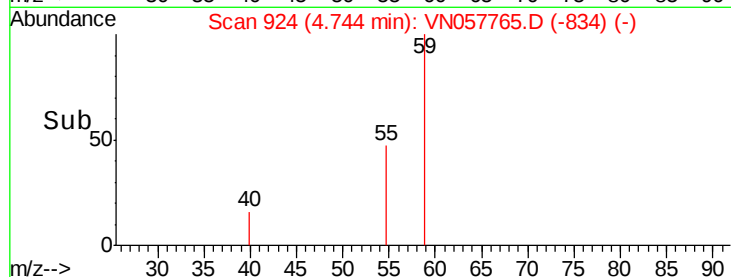
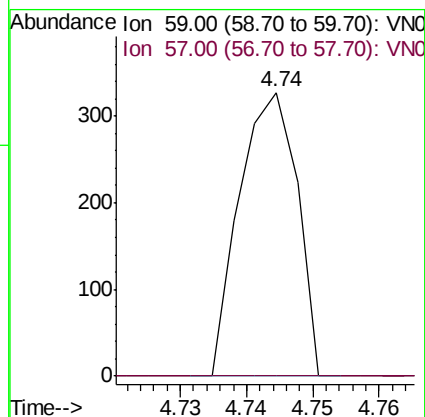
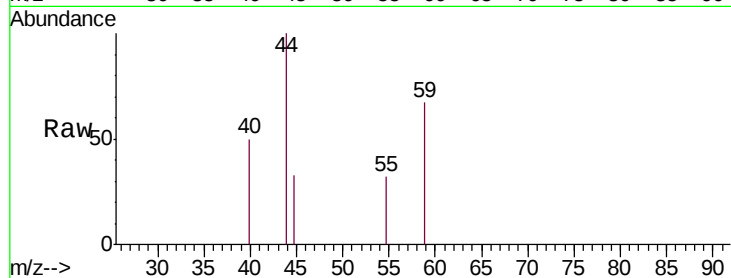
T12-D3-(3.5)

Tgt Ion: 59 Resp: 197

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#16

Acetone

Concen: 8.245 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057765.D

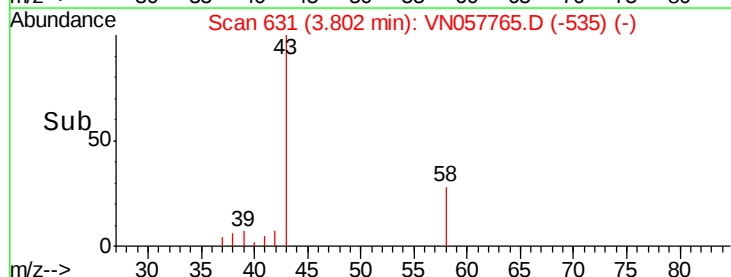
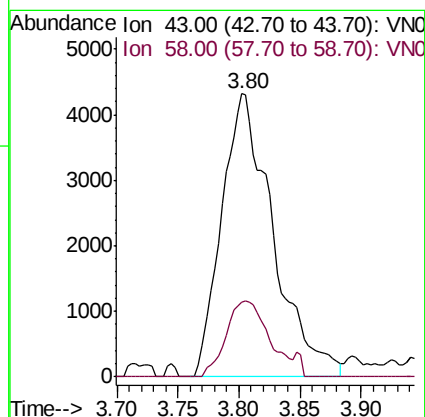
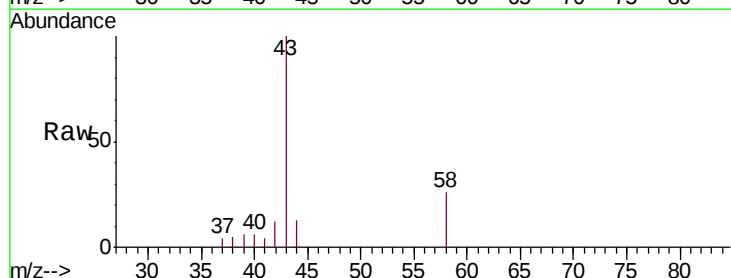
Acq: 7 Sep 2019 19:31

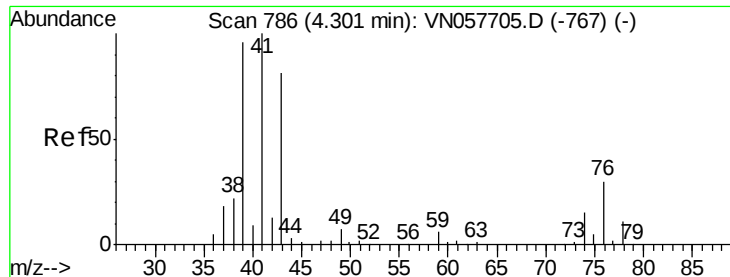
Tgt Ion: 43 Resp: 12662

Ion Ratio Lower Upper

43 100

58 26.4 19.8 29.8

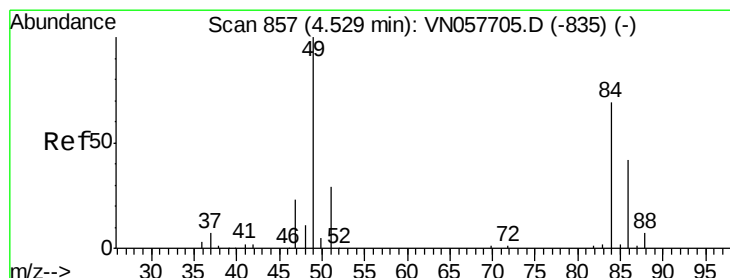
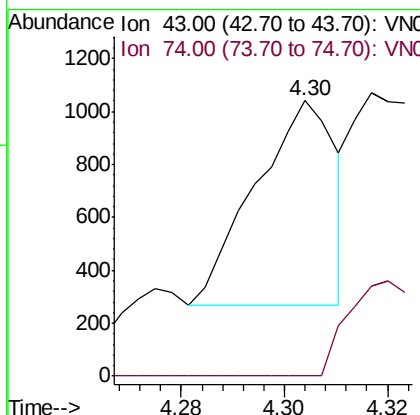
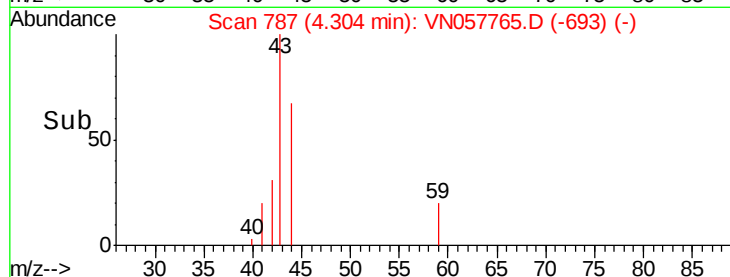
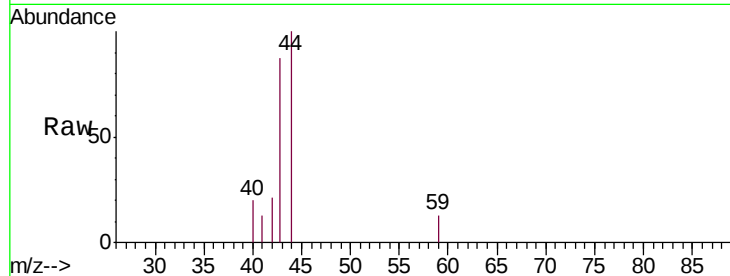




#18
Methyl Acetate
Concen: 0.201 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057765.D
Acq: 7 Sep 2019 19:31

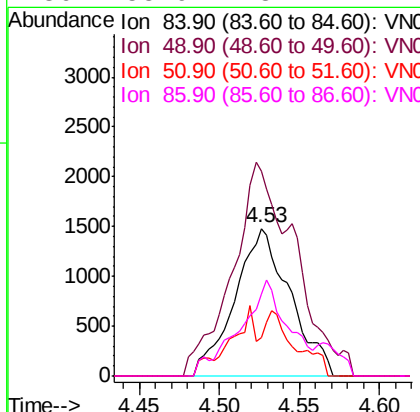
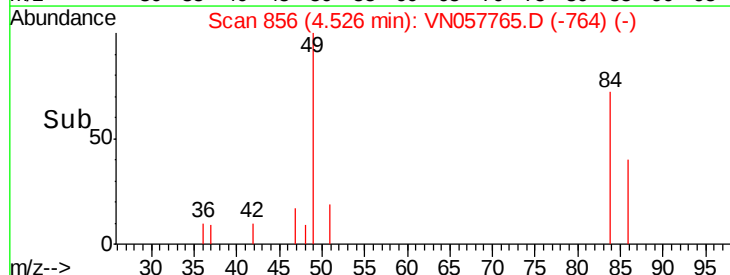
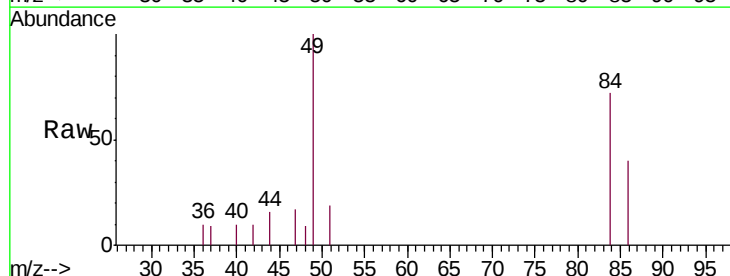
Instrument :
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ClientSampleId :
T12-D3-(3.5)

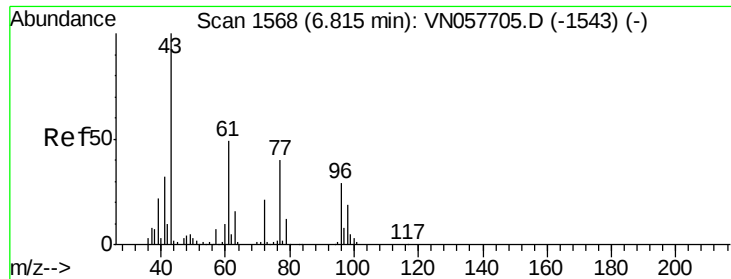
Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
74 55.0 15.3 22.9#



#20
Methylene Chloride
Concen: 1.058 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057765.D
Acq: 7 Sep 2019 19:31

Tgt Ion: 84 Resp: 3512
Ion Ratio Lower Upper
84 100
49 125.7 115.0 172.6
51 25.7 33.8 50.8#
86 55.9 48.2 72.2

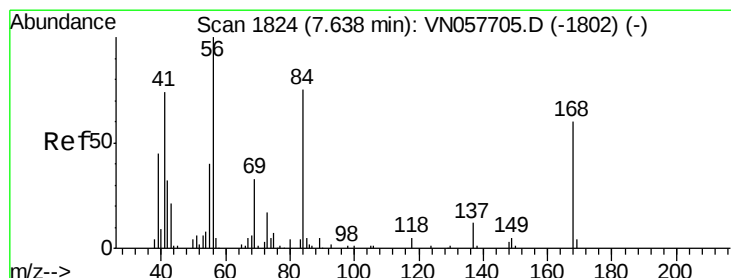
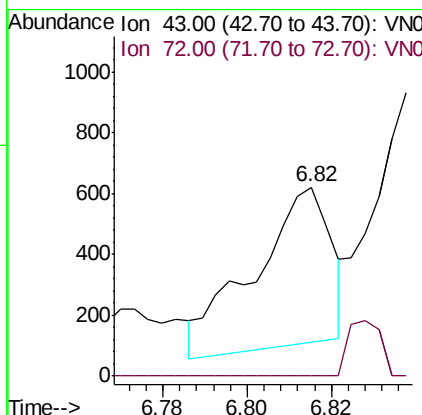
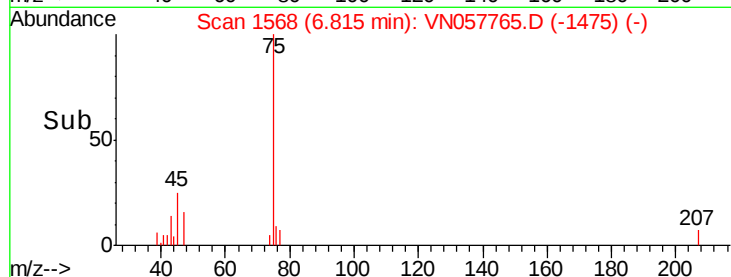
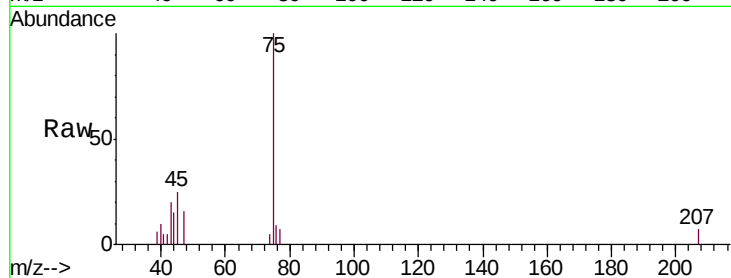




#25
2-Butanone
Concen: 0.296 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN057765.D
Acq: 7 Sep 2019 19:31

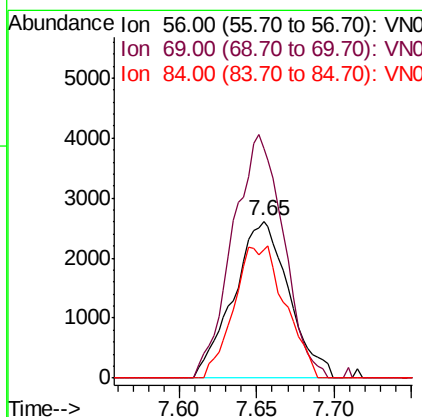
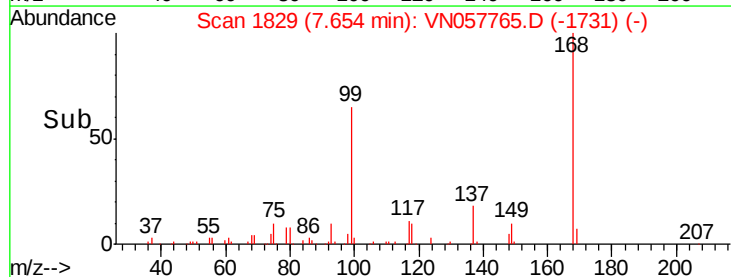
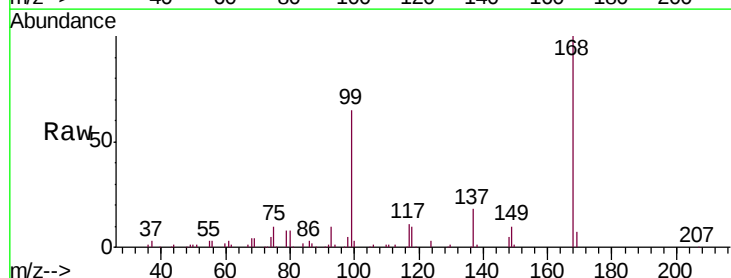
Instrument :
MSVOA_N
ClientSampled :
T12-D3-(3.5)

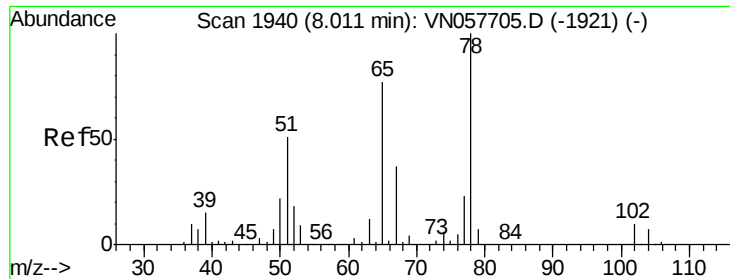
Tgt Ion: 43 Resp: 651
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#



#31
Cyclohexane
Concen: 1.159 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.02 min
Lab File: VN057765.D
Acq: 7 Sep 2019 19:31

Tgt Ion: 56 Resp: 6490
Ion Ratio Lower Upper
56 100
69 146.3 26.2 39.2#
84 81.7 59.8 89.8

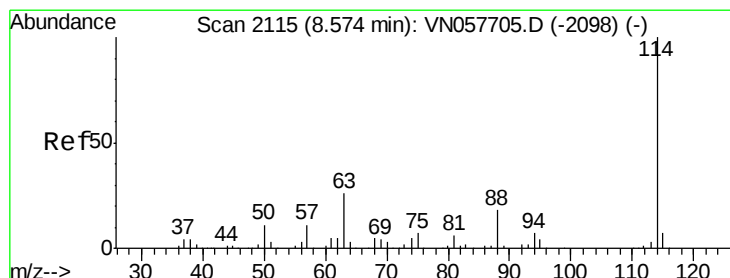
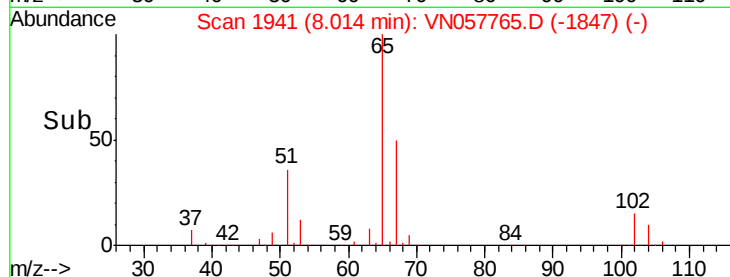
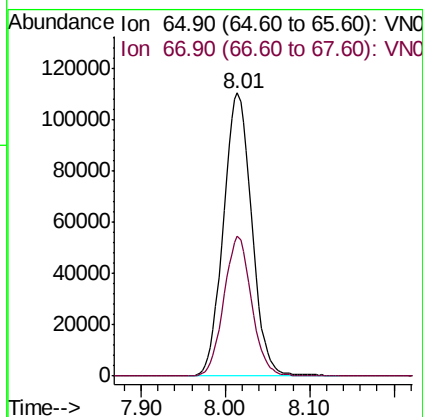
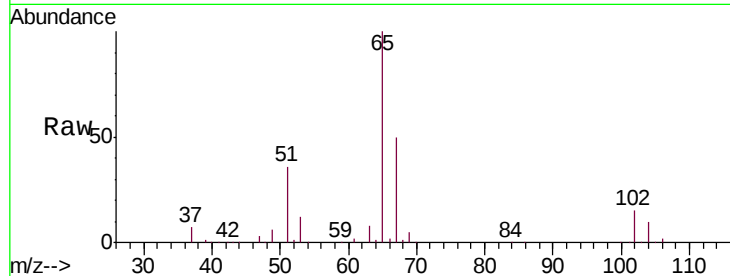




#33
 1,2-Dichloroethane-d4
 Concen: 51.750 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057765.D
 Acq: 7 Sep 2019 19:31

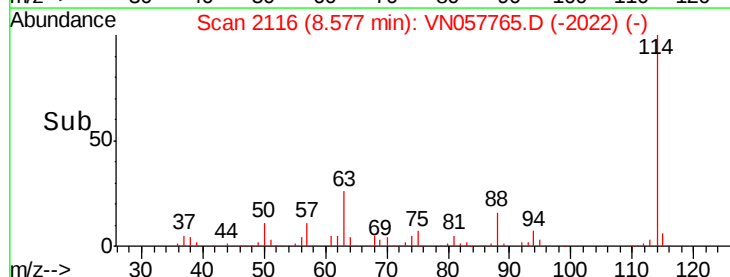
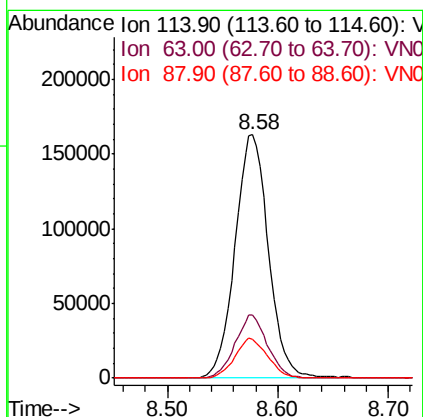
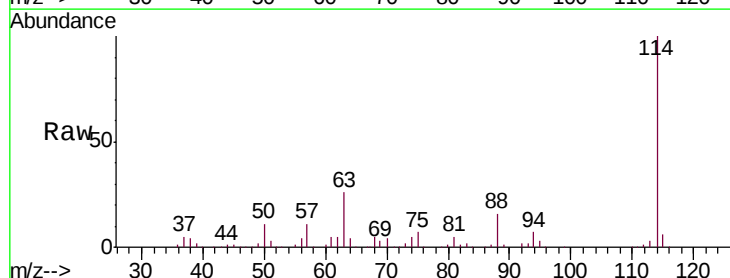
Instrument :
 MSVOA_N
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 T12-D3-(3.5)

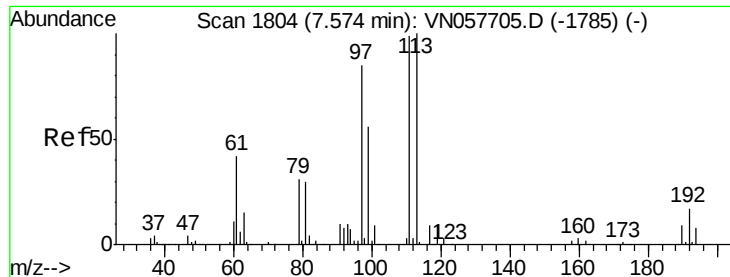
Tgt Ion: 65 Resp: 258259
 Ion Ratio Lower Upper
 65 100
 67 48.2 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057765.D
 Acq: 7 Sep 2019 19:31

Tgt Ion: 114 Resp: 340787
 Ion Ratio Lower Upper
 114 100
 63 25.8 0.0 52.4
 88 16.0 0.0 35.4

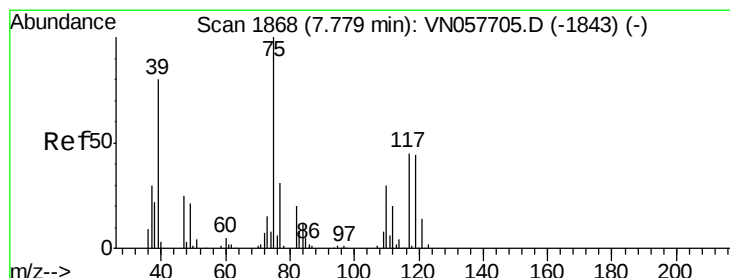
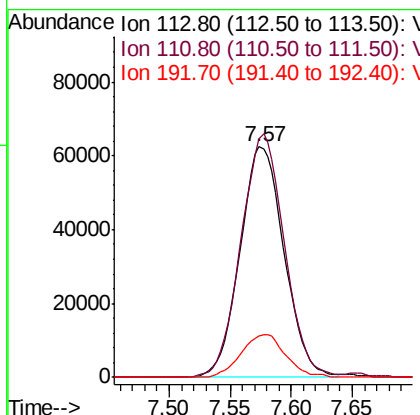
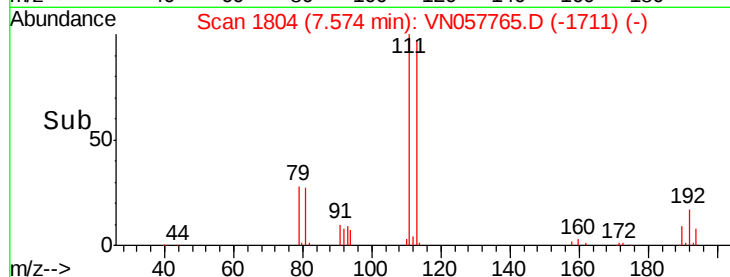
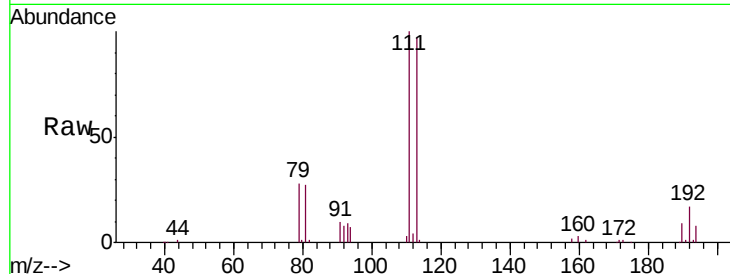




#35
 Dibromofluoromethane
 Concen: 50.354 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057765.D
 Acq: 7 Sep 2019 19:31

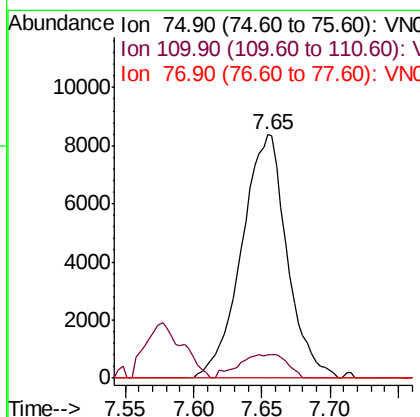
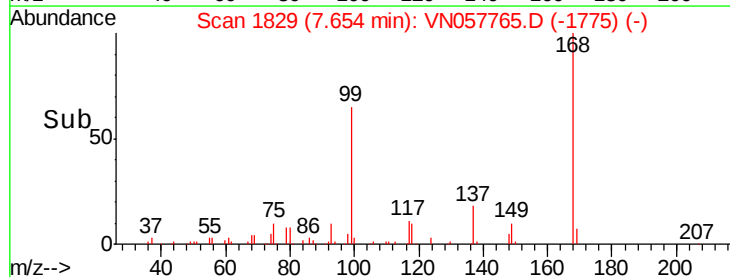
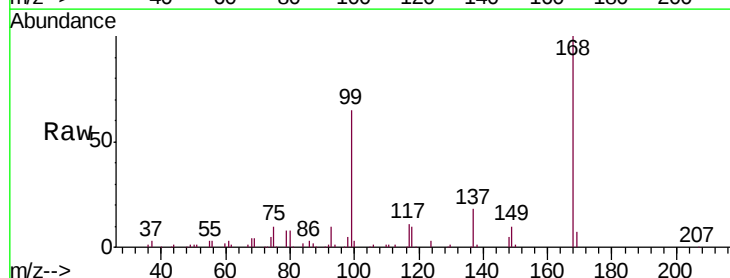
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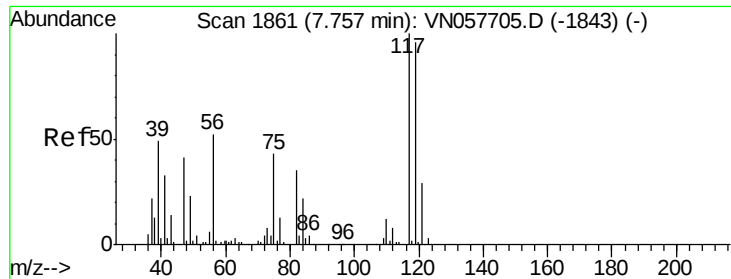
Tgt Ion:113 Resp: 156302
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.7 124.1
 192 18.7 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 4.268 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN057765.D
 Acq: 7 Sep 2019 19:31

Tgt Ion: 75 Resp: 19349
 Ion Ratio Lower Upper
 75 100
 110 10.4 15.0 45.0#
 77 0.0 24.6 37.0#

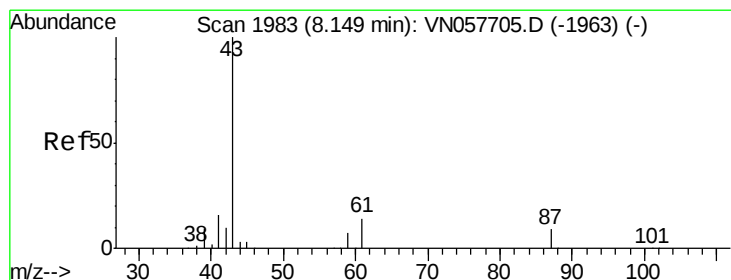
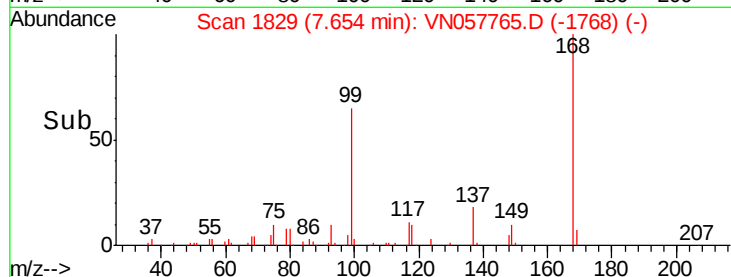
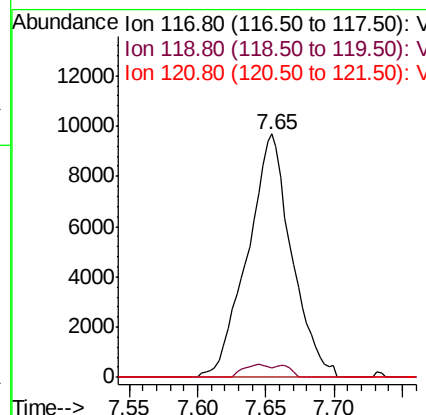
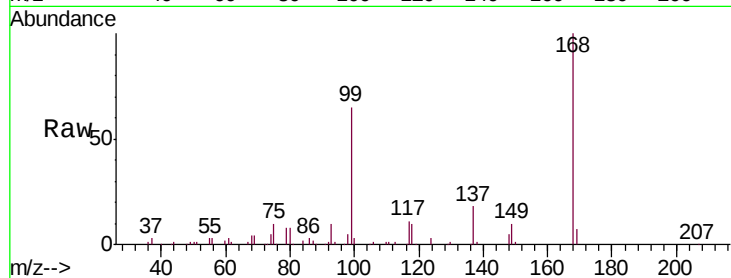




#38
Carbon Tetrachloride
Concen: 5.006 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.10 min
Lab File: VN057765.D
Acq: 7 Sep 2019 19:31

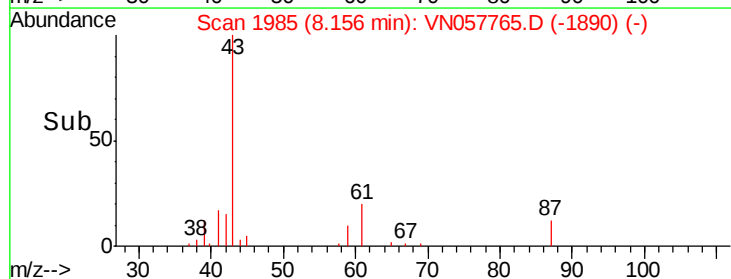
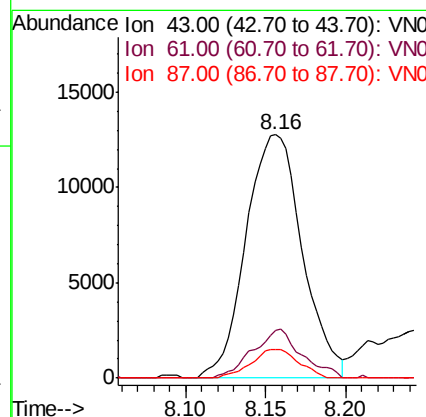
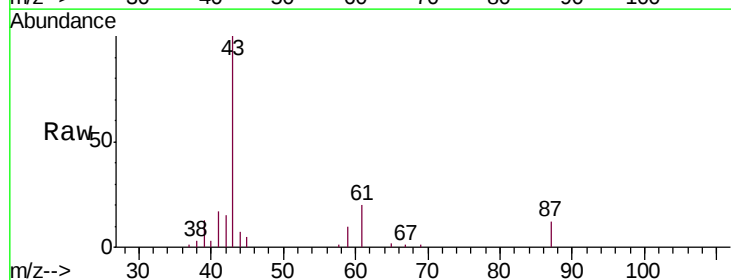
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T12-D3-(3.5)

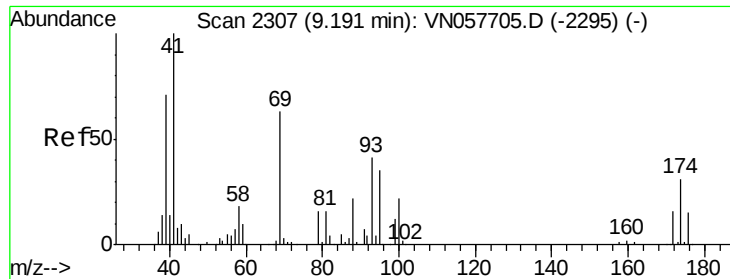
Tgt Ion: 117 Resp: 21733
Ion Ratio Lower Upper
117 100
119 4.0 76.1 114.1#
121 0.0 23.4 35.2#



#43
Isopropyl Acetate
Concen: 3.583 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.01 min
Lab File: VN057765.D
Acq: 7 Sep 2019 19:31

Tgt Ion: 43 Resp: 30951
Ion Ratio Lower Upper
43 100
61 17.4 12.8 19.2
87 10.0 7.8 11.8

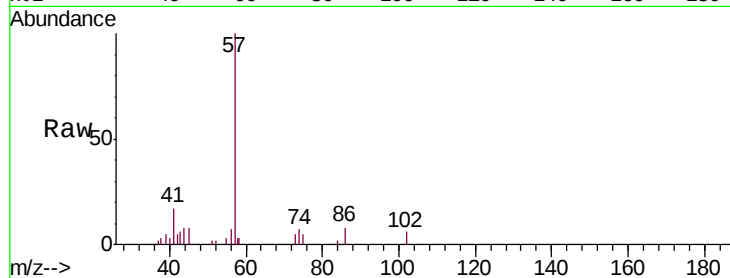




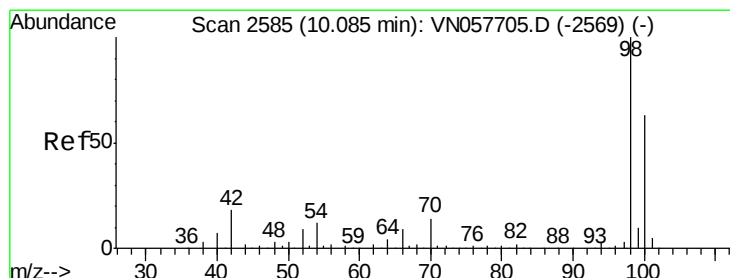
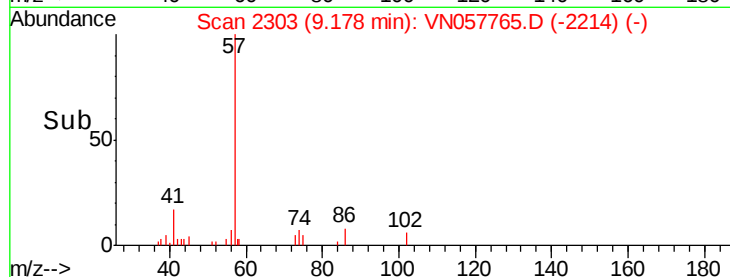
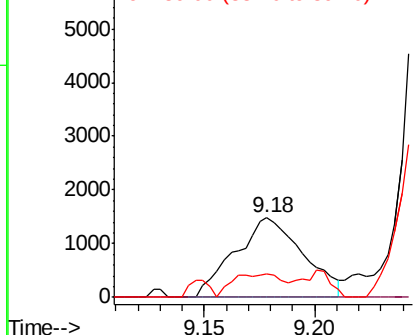
#48
Methyl methacrylate
Concen: 0.712 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.01 min
Lab File: VN057765.D
Acq: 7 Sep 2019 19:31

Instrument :
MSVOA_N
ClientSampleId :
T12-D3-(3.5)

Tgt Ion: 41 Resp: 3165
Ion Ratio Lower Upper
41 100
69 0.0 51.2 76.8#
39 21.9 57.3 85.9#

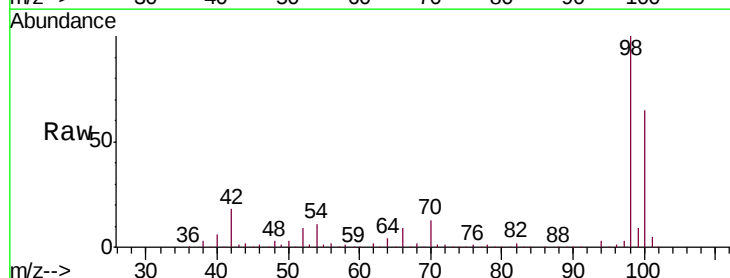


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

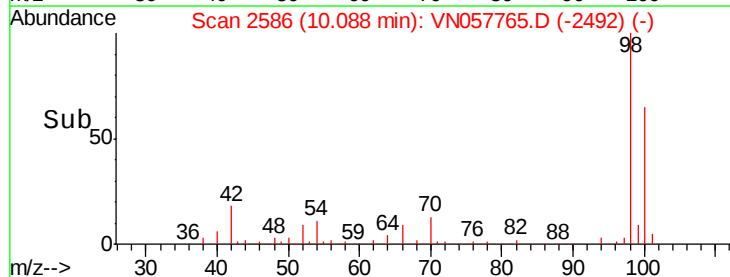
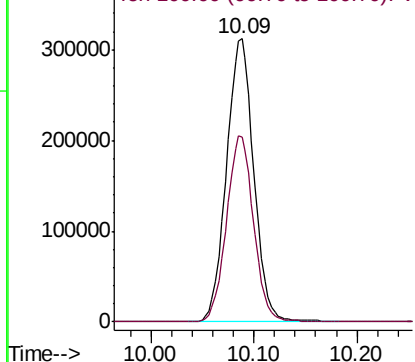


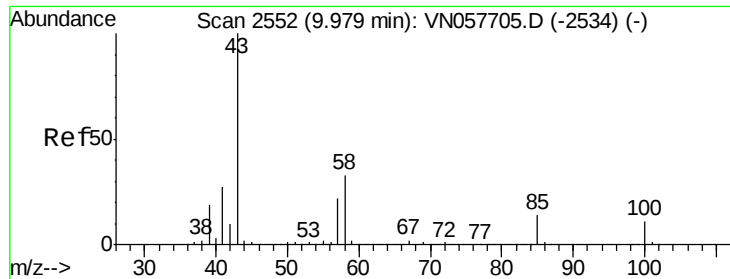
#50
Toluene-d8
Concen: 50.169 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057765.D
Acq: 7 Sep 2019 19:31

Tgt Ion: 98 Resp: 576071
Ion Ratio Lower Upper
98 100
100 65.4 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: 0.516 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057765.D

Acq: 7 Sep 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

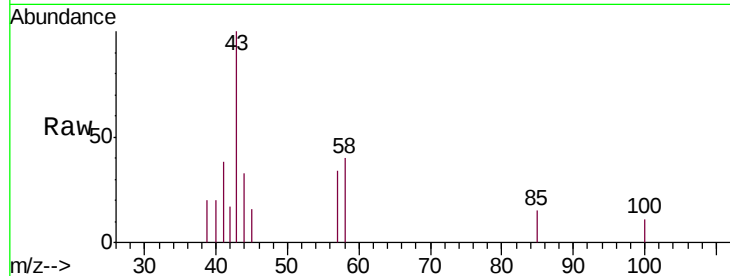
T12-D3-(3.5)

Tgt Ion: 43 Resp: 2477

Ion Ratio Lower Upper

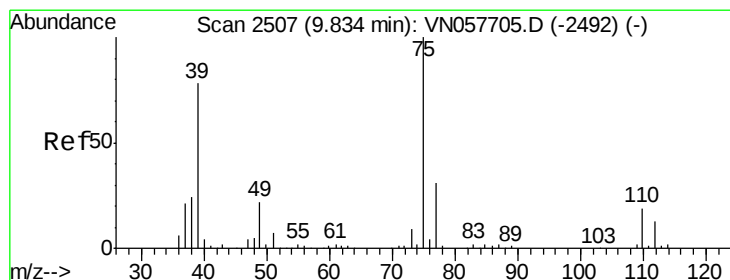
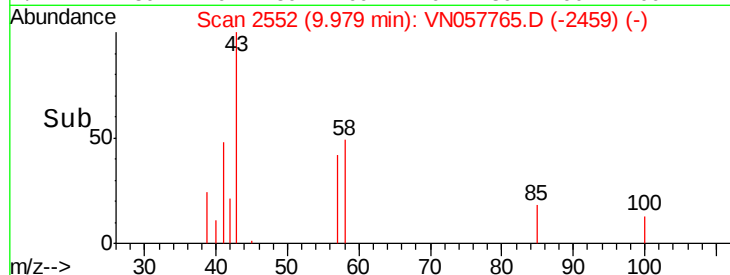
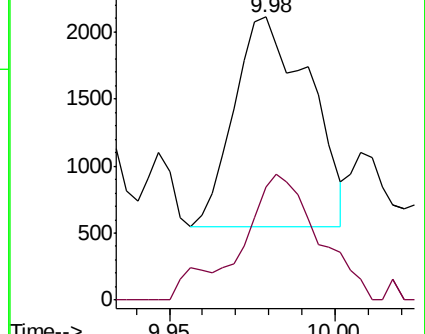
43 100

58 55.5 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: 3.056 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN057765.D

Acq: 7 Sep 2019 19:31

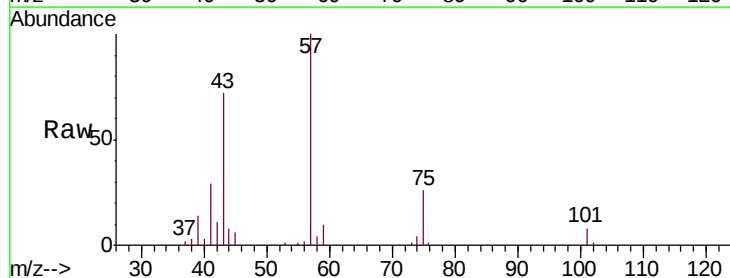
Tgt Ion: 75 Resp: 16196

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

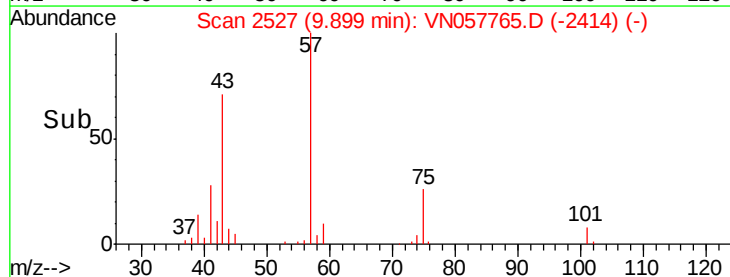
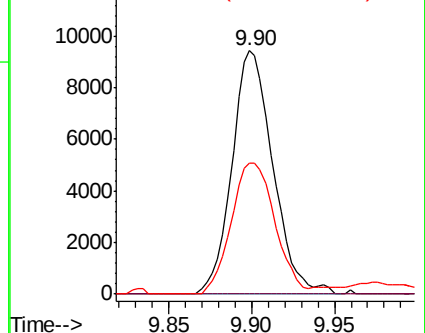
39 53.9 62.4 93.6#

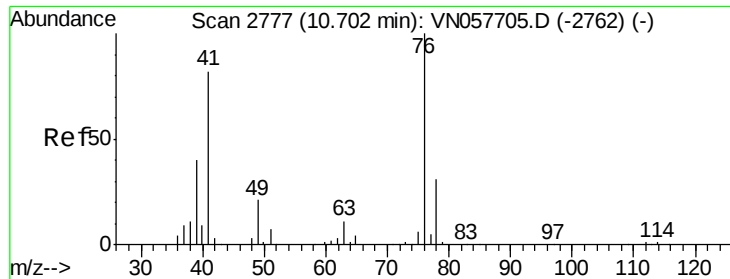


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.362 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057765.D

Acq: 7 Sep 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

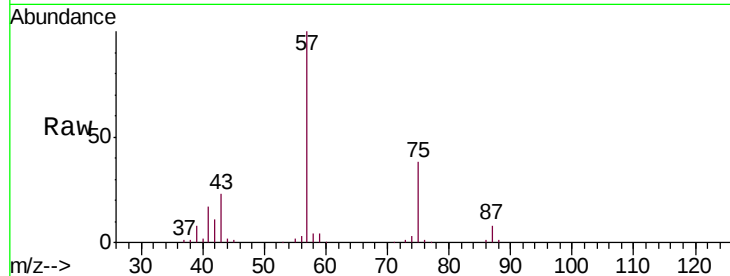
T12-D3-(3.5)

Tgt Ion: 76 Resp: 2034

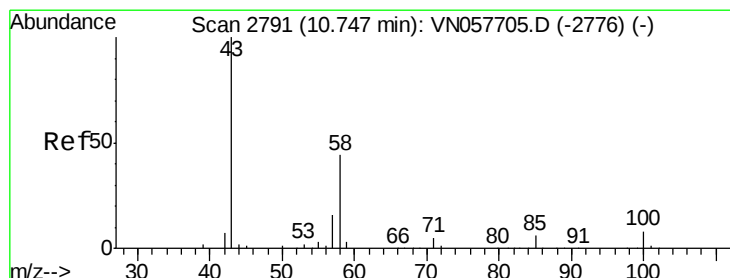
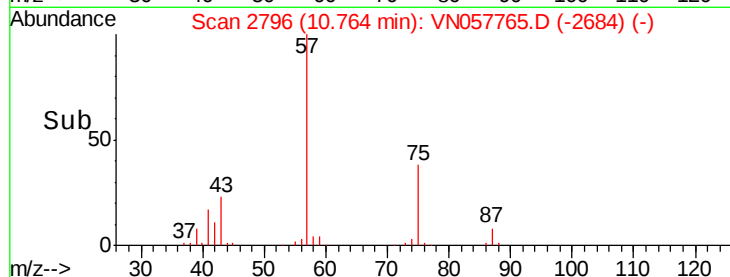
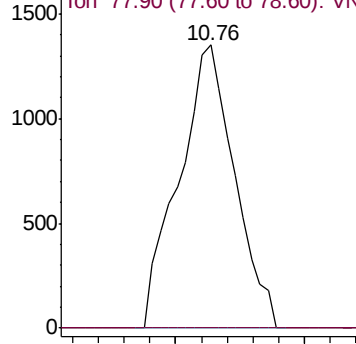
Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN057765.D (-2684) (-)



#59

2-Hexanone

Concen: 10.068 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.02 min

Lab File: VN057765.D

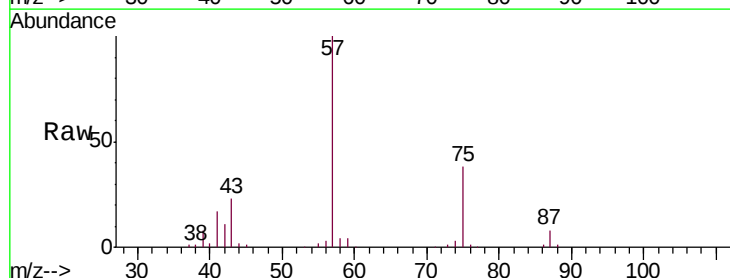
Acq: 7 Sep 2019 19:31

Tgt Ion: 43 Resp: 34062

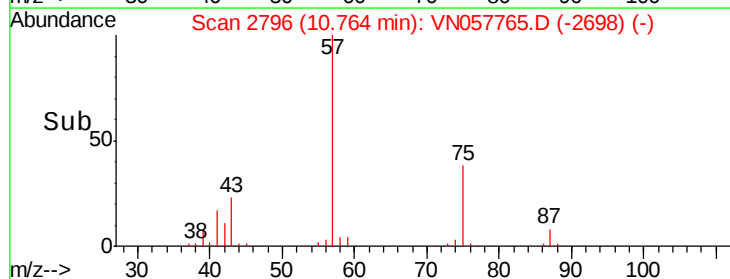
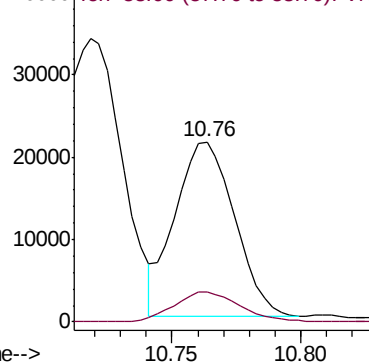
Ion Ratio Lower Upper

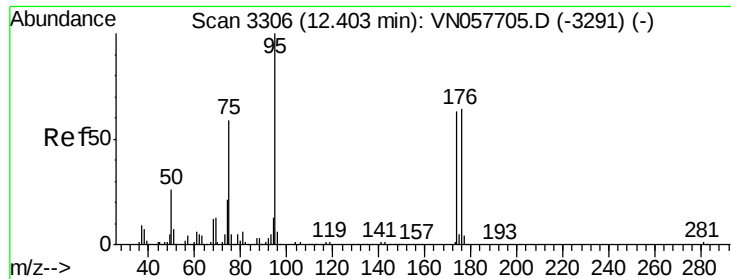
43 100

58 18.9 22.1 66.5#



Abundance Ion 43.00 (42.70 to 43.70): VN057765.D (-2698) (-)





#62

4-Bromofluorobenzene

Concen: 44.949 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057765.D

Acq: 7 Sep 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

T12-D3-(3.5)

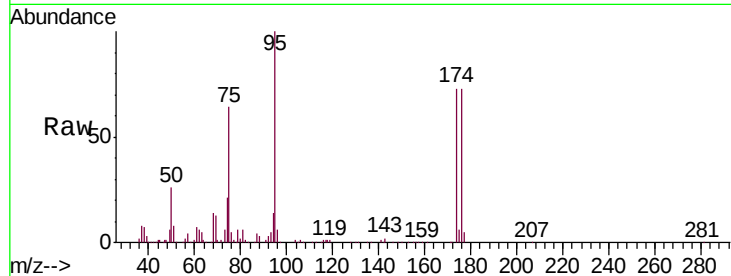
Tgt Ion: 95 Resp: 214379

Ion Ratio Lower Upper

95 100

174 73.9 0.0 128.0

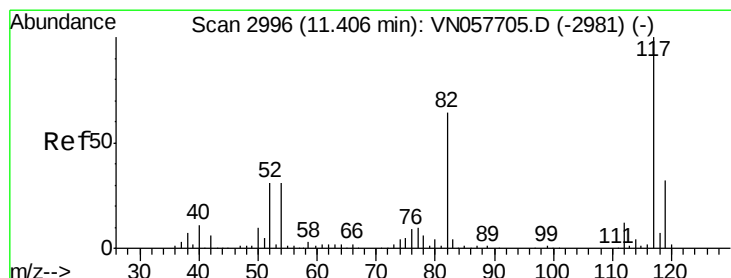
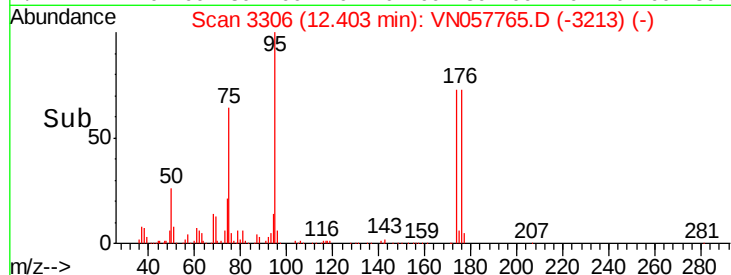
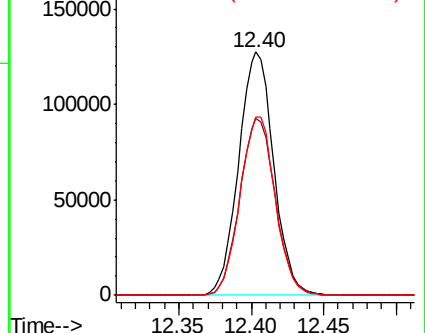
176 73.7 0.0 128.0



Abundance Ion 94.90 (94.60 to 95.60): VN057765.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN057765.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN057765.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057765.D

Acq: 7 Sep 2019 19:31

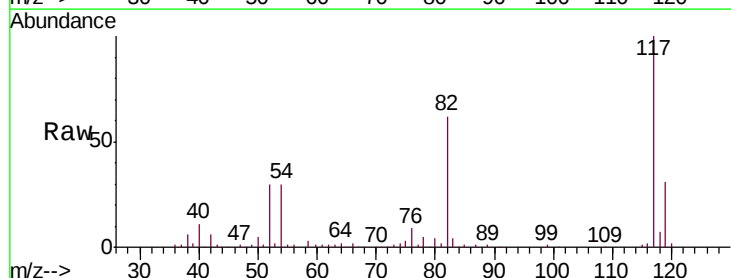
Tgt Ion: 117 Resp: 316368

Ion Ratio Lower Upper

117 100

82 61.8 51.4 77.0

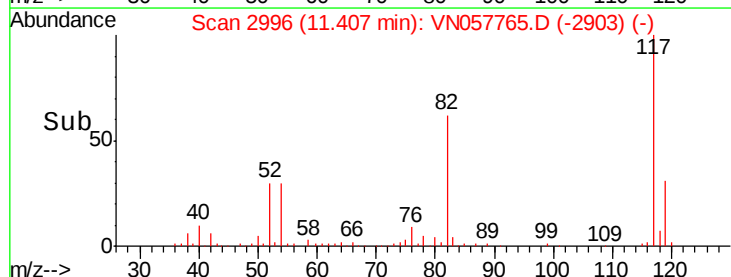
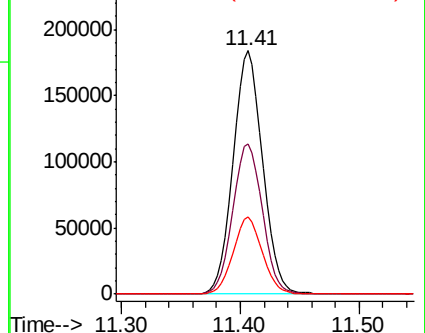
119 31.5 25.4 38.2

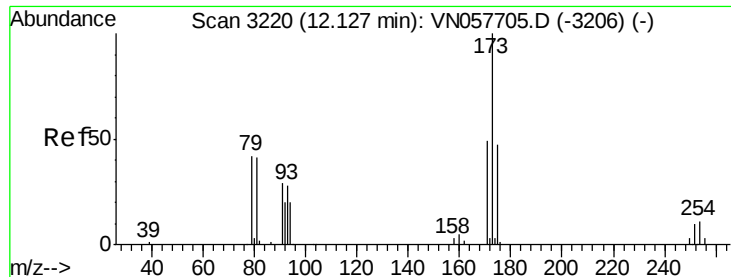


Abundance Ion 116.90 (116.60 to 117.60): VN057765.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN057765.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN057765.D (-2903) (-)





#71

Bromoform

Concen: 3.356 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN057765.D

Acq: 7 Sep 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

T12-D3-(3.5)

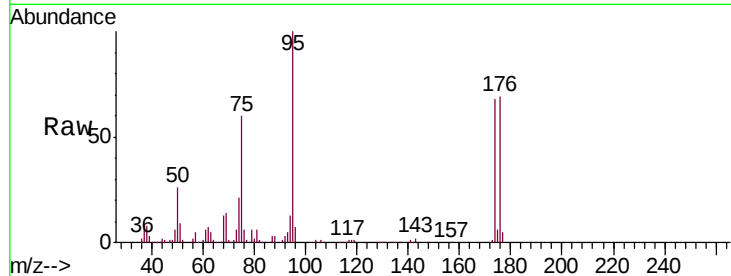
Tgt Ion:173 Resp: 261

Ion Ratio Lower Upper

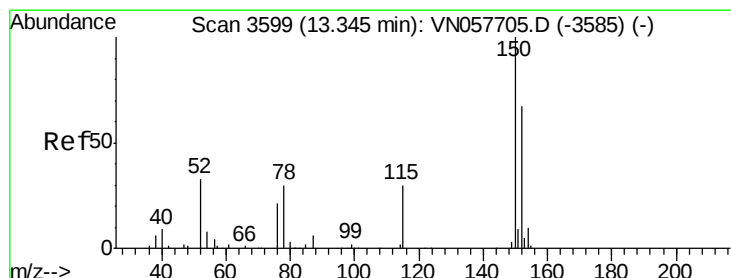
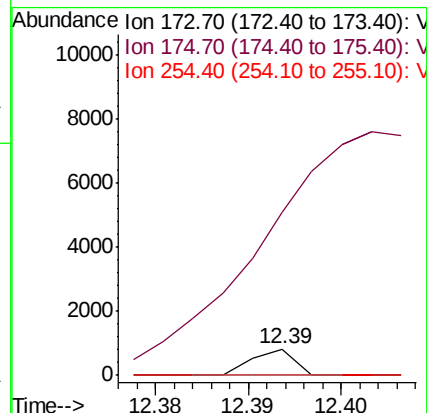
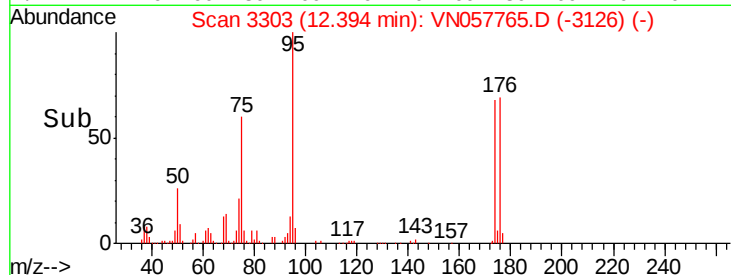
173 100

175 4137.9 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: VN057765.D

Acq: 7 Sep 2019 19:31

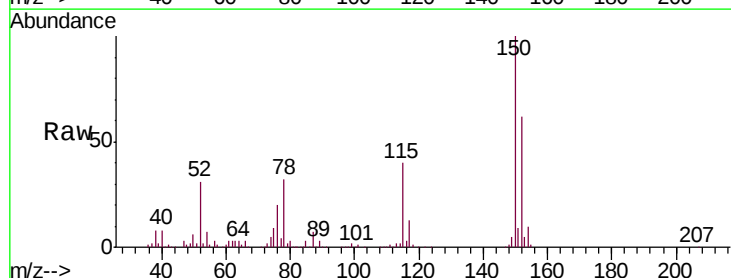
Tgt Ion:152 Resp: 162289

Ion Ratio Lower Upper

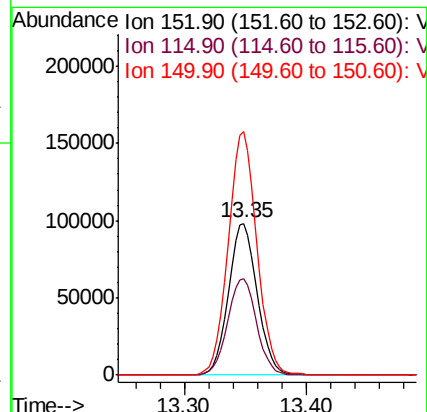
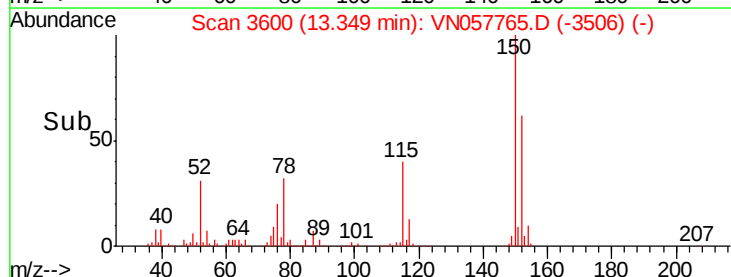
152 100

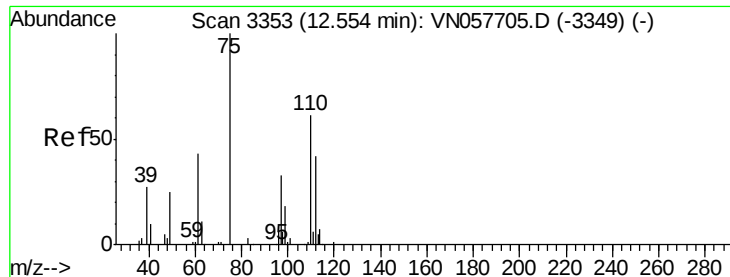
115 64.4 33.8 101.3

150 160.1 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.351 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057765.D

Acq: 7 Sep 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

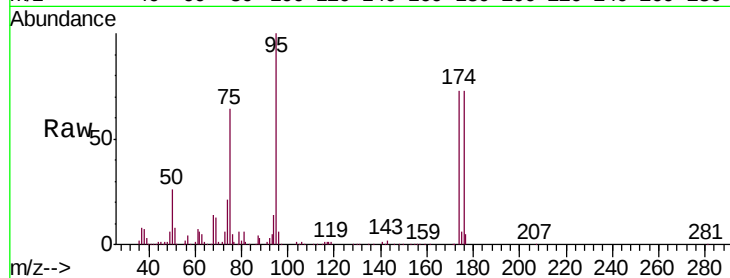
T12-D3-(3.5)

Tgt Ion: 75 Resp: 131744

Ion Ratio Lower Upper

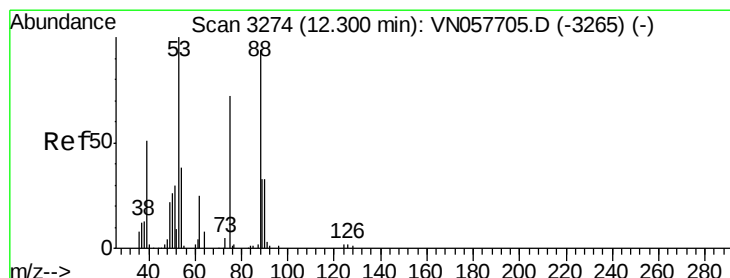
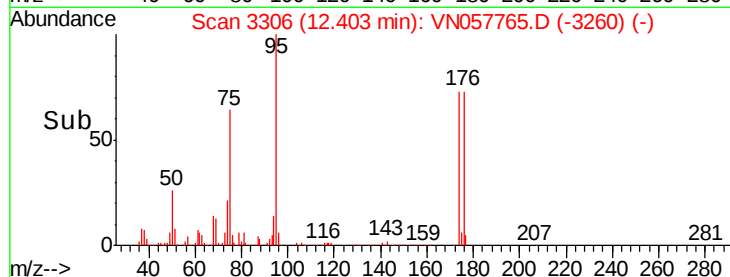
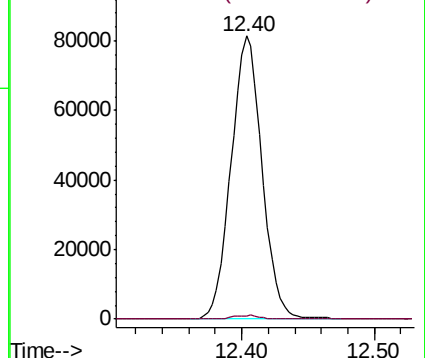
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 109.941 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057765.D

Acq: 7 Sep 2019 19:31

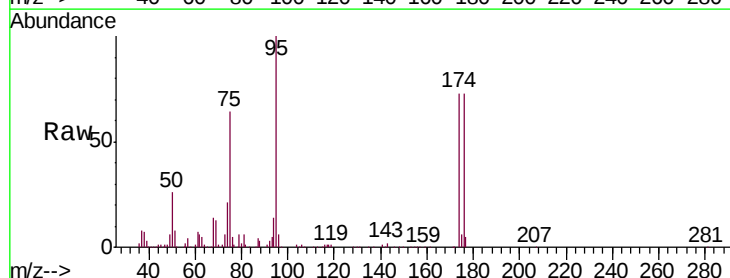
Tgt Ion: 75 Resp: 131744

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

