

Data File : VN057784.D
Acq On : 8 Sep 2019 3:35
Operator : JC/SP
Sample : K4601-34
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-F4-(0)

Quant Time: Sep 08 06:47:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	163422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	279095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	247495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	120464	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	229946	57.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.68%	
35) Dibromofluoromethane	7.58	113	139989	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
50) Toluene-d8	10.09	98	456018	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	12.40	95	166305	42.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.16%	

Target Compounds

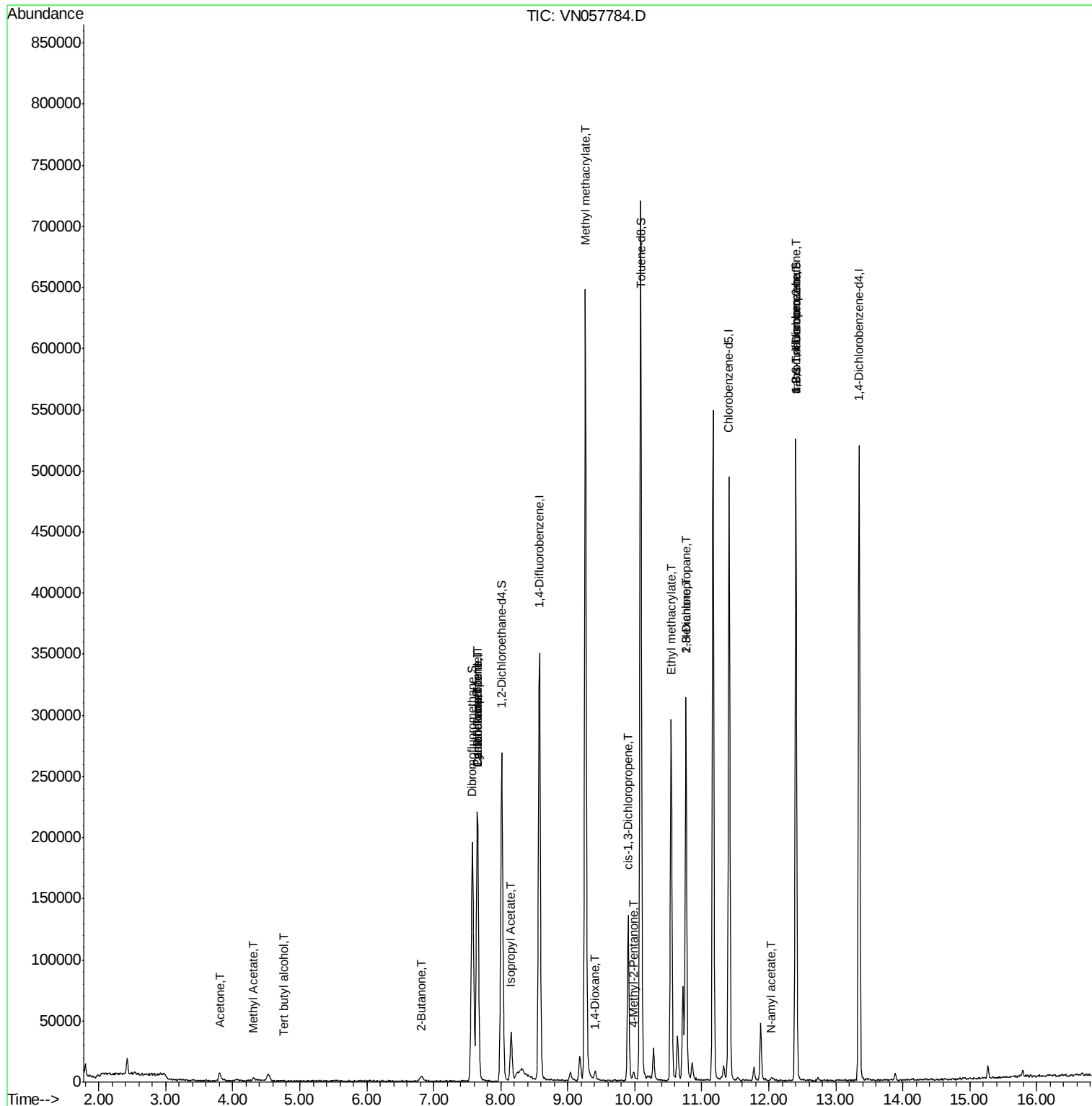
					Qvalue	
3) Chloromethane	2.04	50	612	Below Cal	#	56
11) Tert butyl alcohol	4.76	59	99	0.219	ug/l #	71
16) Acetone	3.80	43	11052	9.034	ug/l	92
18) Methyl Acetate	4.30	43	688	0.207	ug/l #	91
25) 2-Butanone	6.81	43	574	0.328	ug/l #	55
31) Cyclohexane	7.65	56	5012	1.123	ug/l #	47
36) 1,1-Dichloropropene	7.65	75	15215	4.098	ug/l #	53
38) Carbon Tetrachloride	7.65	117	17886	5.031	ug/l #	17
43) Isopropyl Acetate	8.16	43	47015	6.645	ug/l	98
48) Methyl methacrylate	9.26	41	71438	19.633	ug/l #	55
49) 1,4-Dioxane	9.39	88	63	1.488	ug/l #	19
51) 4-Methyl-2-Pentanone	9.98	43	4333	1.103	ug/l #	84
54) cis-1,3-Dichloropropene	9.90	75	20918	4.820	ug/l #	61
56) Ethyl methacrylate	10.54	69	1033	0.253	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	3022	0.657	ug/l #	43
59) 2-Hexanone	10.76	43	54022	19.497	ug/l #	56
74) N-amyl acetate	12.04	43	1287	0.242	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	97985	35.421	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	97985	110.159	ug/l #	1

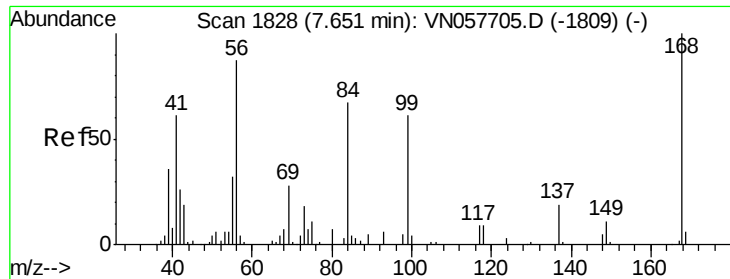
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VN057784.D
Acq On : 8 Sep 2019 3:35
Operator : JC/SP
Sample : K4601-34
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-F4-(0)

Quant Time: Sep 08 06:47:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057784.D

Acq: 8 Sep 2019 3:35

Instrument :

MSVOA_N

ClientSampleId :

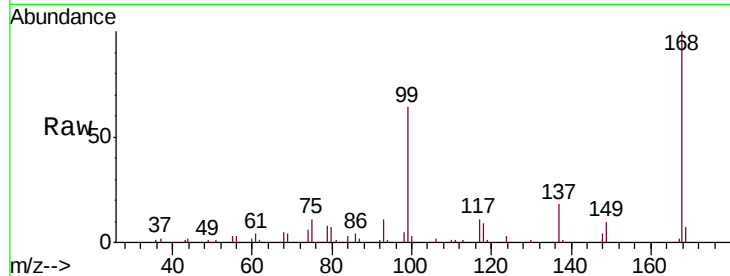
T12-F4-(0)

Tgt Ion:168 Resp: 163422

Ion Ratio Lower Upper

168 100

99 64.2 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): VN057705.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057705.D (-1809) (-)

7.65

60000

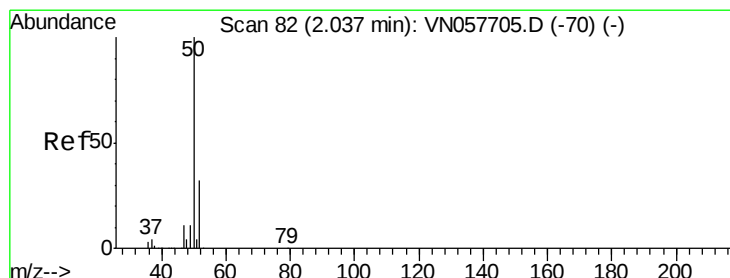
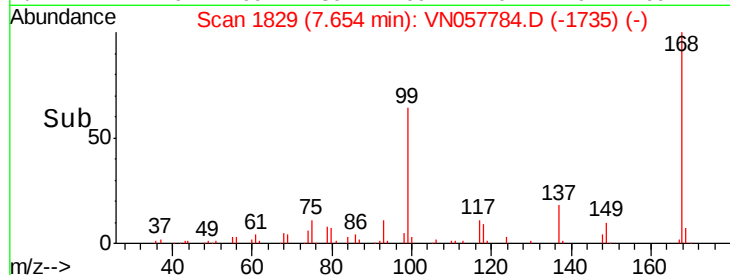
40000

20000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN057784.D

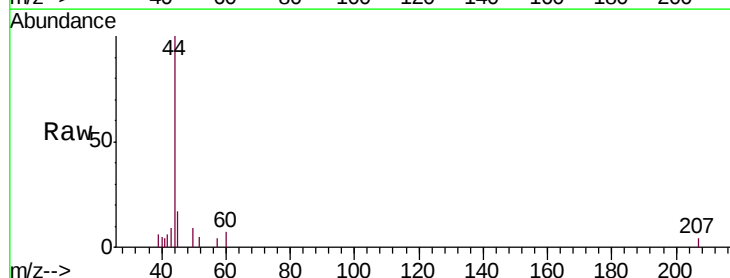
Acq: 8 Sep 2019 3:35

Tgt Ion: 50 Resp: 612

Ion Ratio Lower Upper

50 100

52 57.3 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN057705.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN057705.D (-70) (-)

2.04

400

300

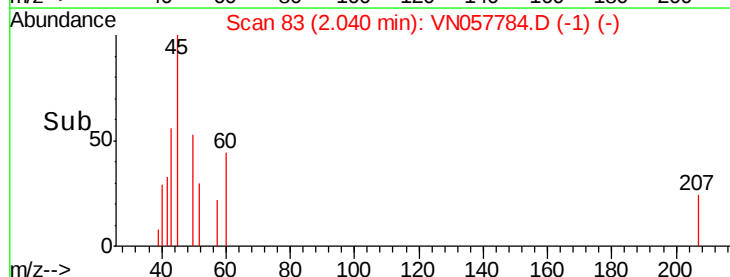
200

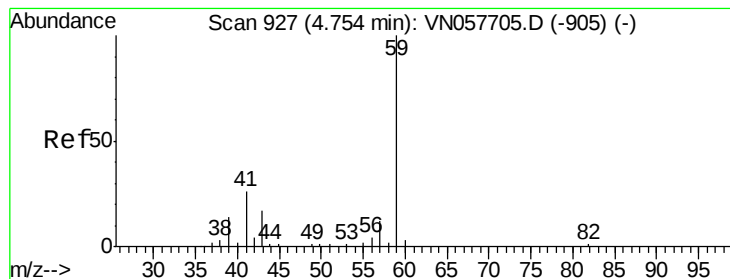
100

0

Time-->

2.00 2.02 2.04 2.06 2.08



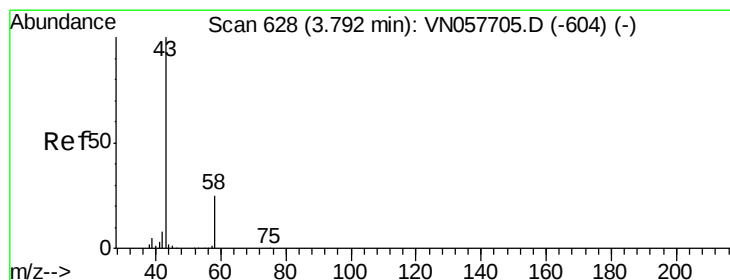
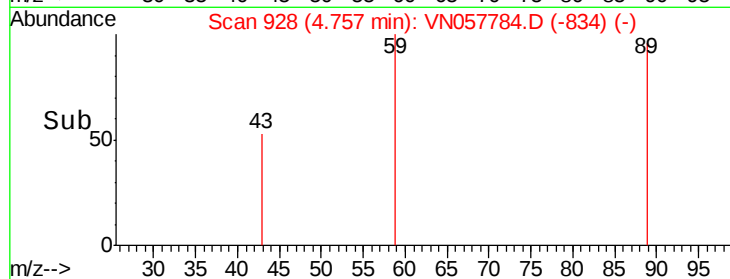
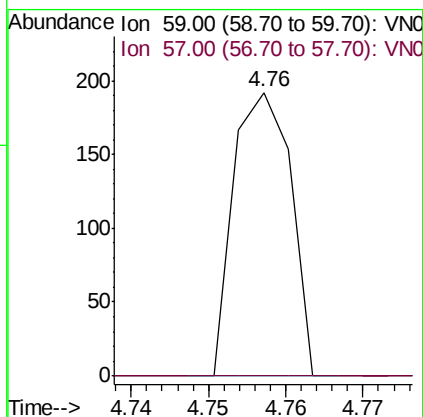
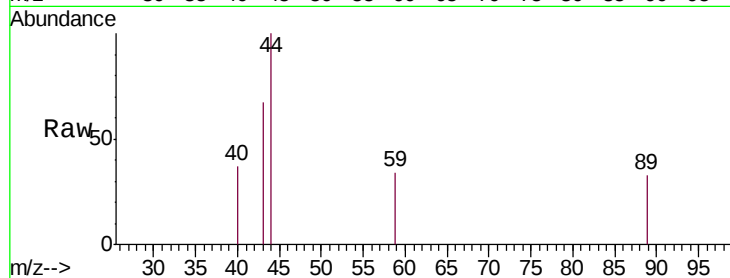


#11

Tert butyl alcohol
 Concen: 0.219 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN057784.D
 Acq: 8 Sep 2019 3:35

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-F4-(0)

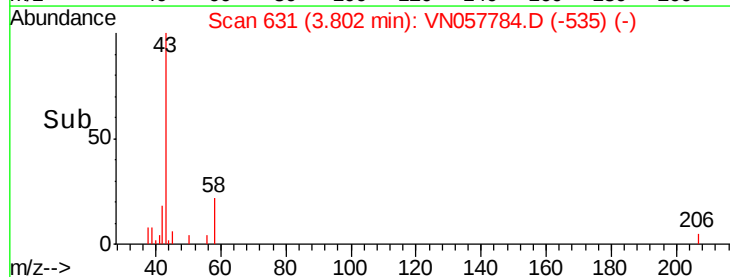
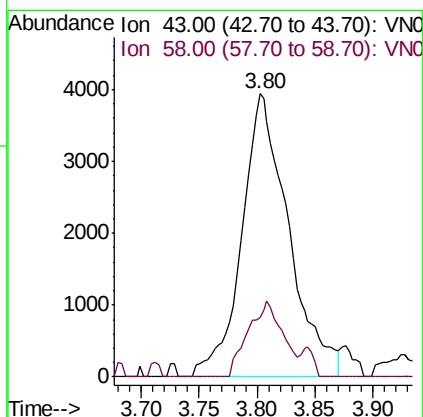
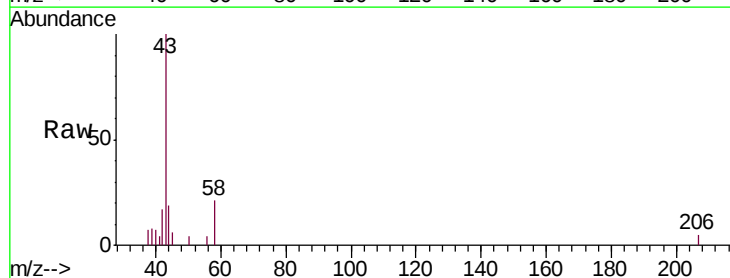
Tgt Ion: 59 Resp: 99
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.9 13.3#

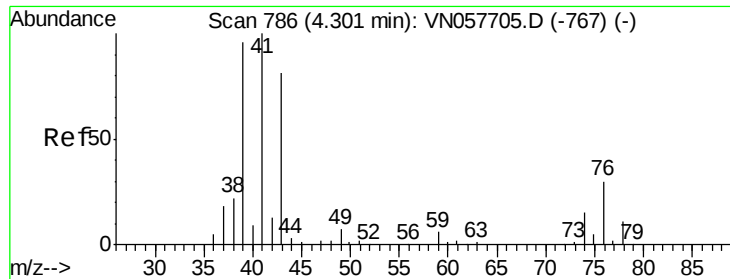


#16

Acetone
 Concen: 9.034 ug/l
 RT: 3.80 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: VN057784.D
 Acq: 8 Sep 2019 3:35

Tgt Ion: 43 Resp: 11052
 Ion Ratio Lower Upper
 43 100
 58 20.8 19.8 29.8

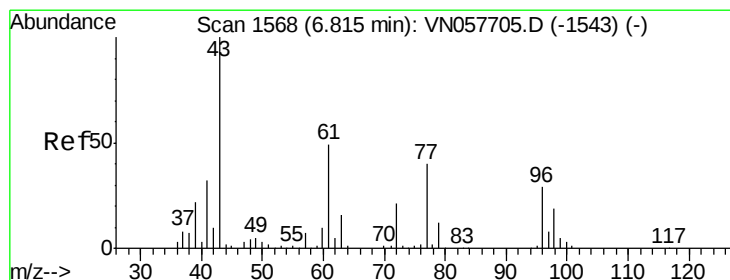
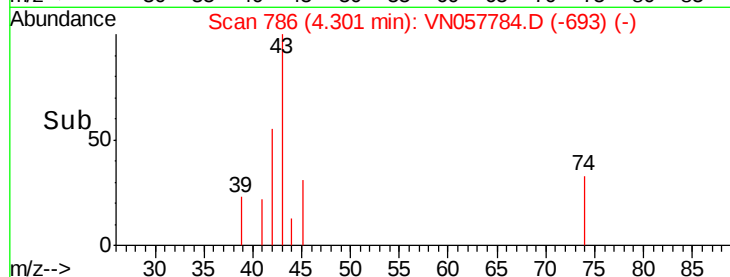
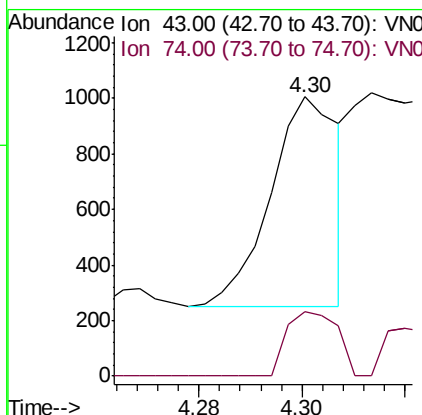
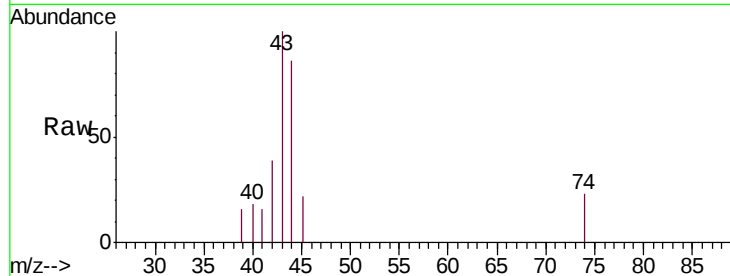




#18
Methyl Acetate
Concen: 0.207 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN057784.D
Acq: 8 Sep 2019 3:35

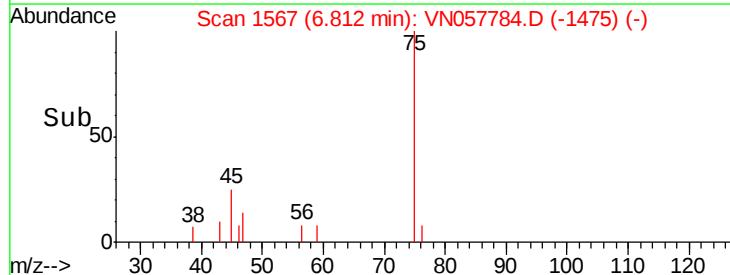
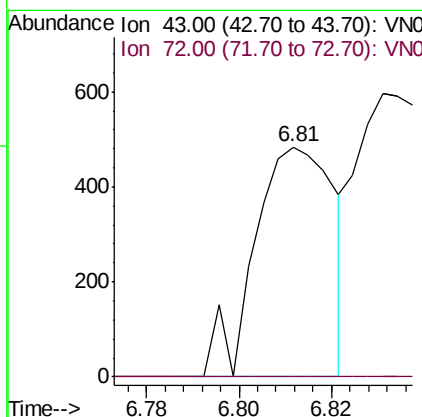
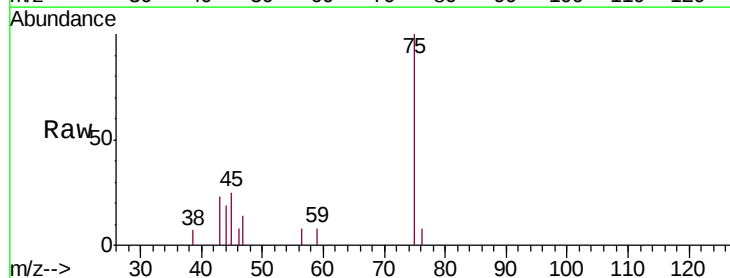
Instrument :
MSVOA_N
ClientSampled :
T12-F4-(0)

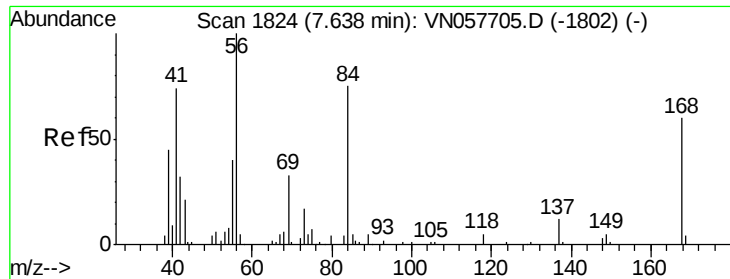
Tgt Ion: 43 Resp: 688
Ion Ratio Lower Upper
43 100
74 23.1 15.3 22.9#



#25
2-Butanone
Concen: 0.328 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN057784.D
Acq: 8 Sep 2019 3:35

Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#

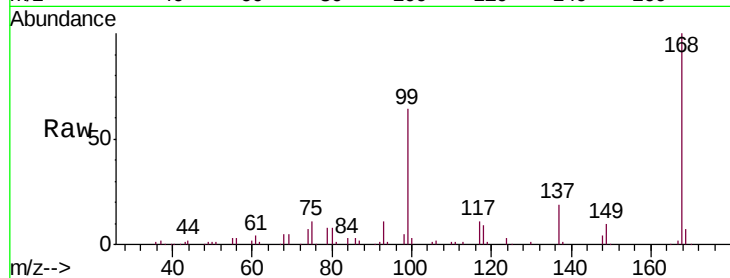




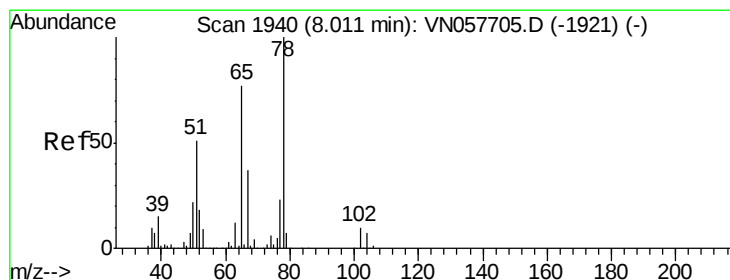
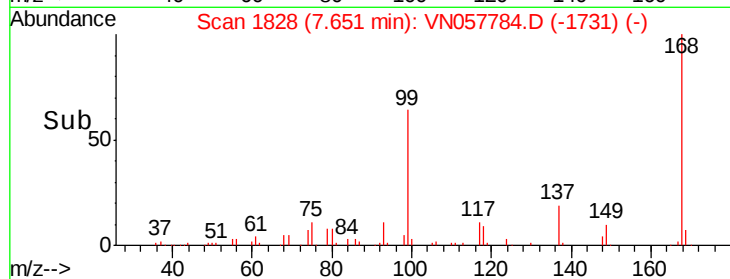
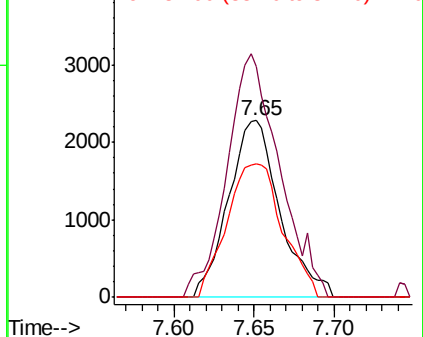
#31
Cyclohexane
Concen: 1.123 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057784.D
Acq: 8 Sep 2019 3:35

Instrument :
MSVOA_N
ClientSampleId :
T12-F4-(0)

Tgt Ion: 56 Resp: 5012
Ion Ratio Lower Upper
56 100
69 130.4 26.2 39.2#
84 75.2 59.8 89.8

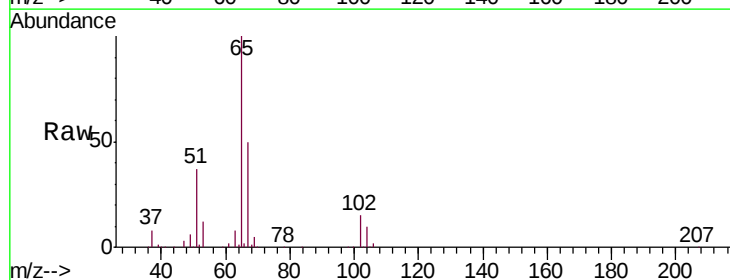


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

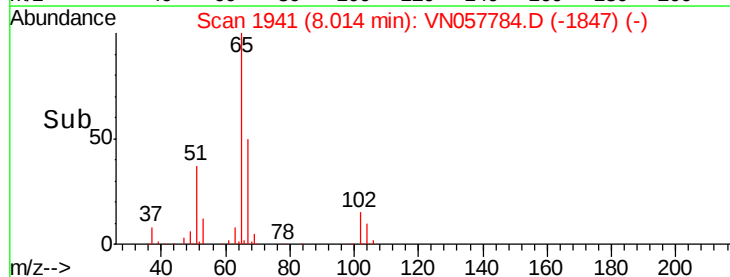
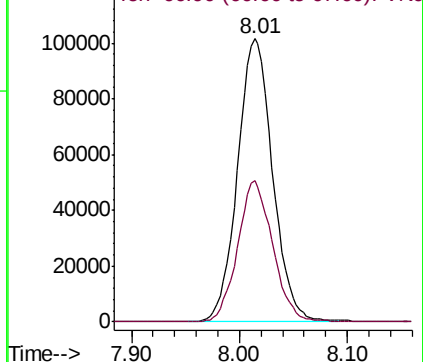


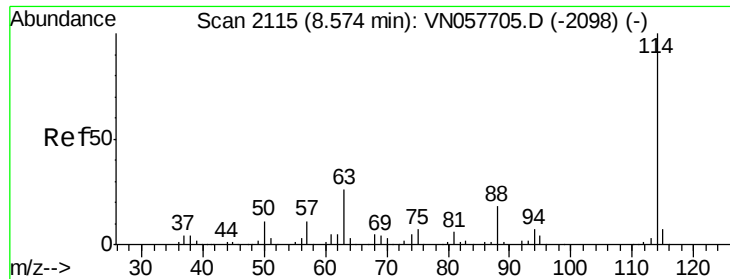
#33
1,2-Dichloroethane-d4
Concen: 57.840 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057784.D
Acq: 8 Sep 2019 3:35

Tgt Ion: 65 Resp: 229946
Ion Ratio Lower Upper
65 100
67 49.8 0.0 98.2



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

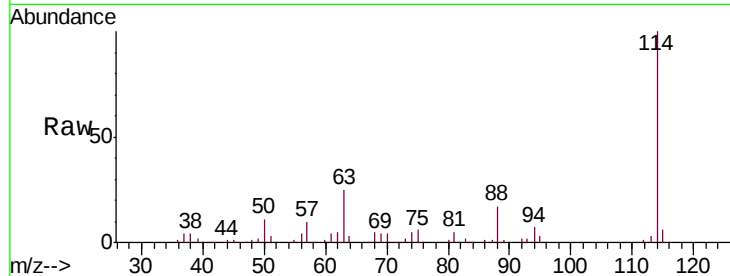




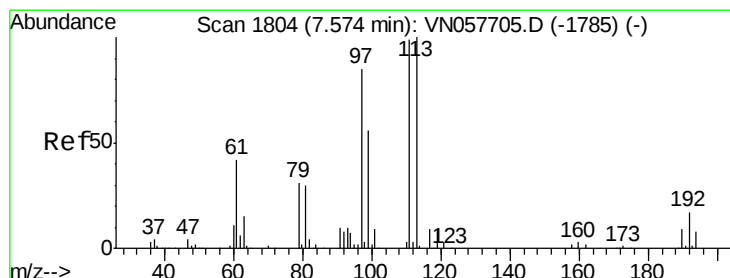
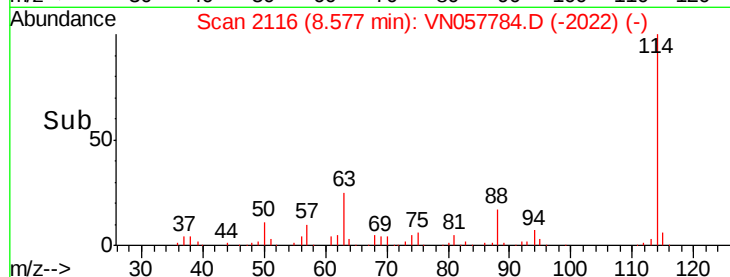
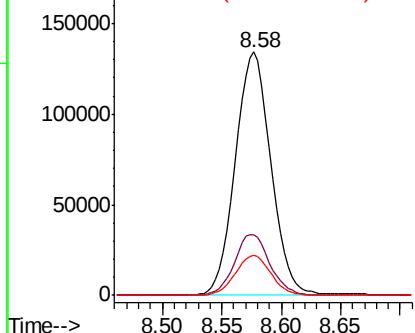
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2116
Delta R.T. 0.00 min
Lab File: VN057784.D
Acq: 8 Sep 2019 3:35

Instrument :
MSVOA_N
ClientSampleId :
T12-F4-(0)

Tgt Ion:114 Resp: 279095
Ion Ratio Lower Upper
114 100
63 24.8 0.0 52.4
88 16.6 0.0 35.4

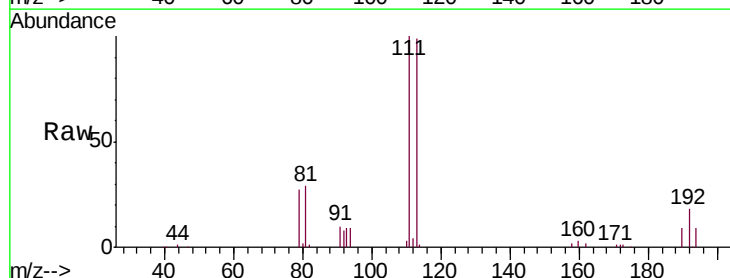


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

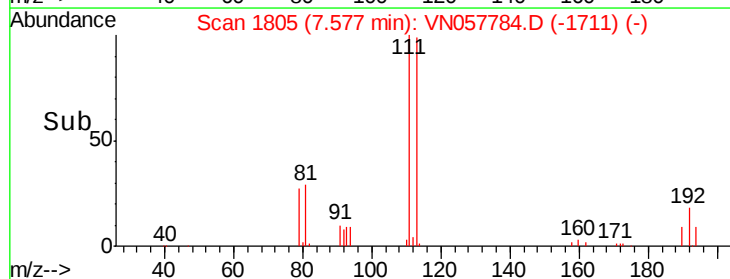
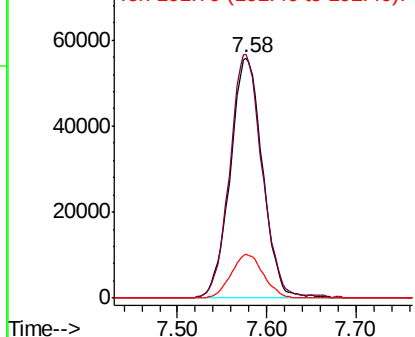


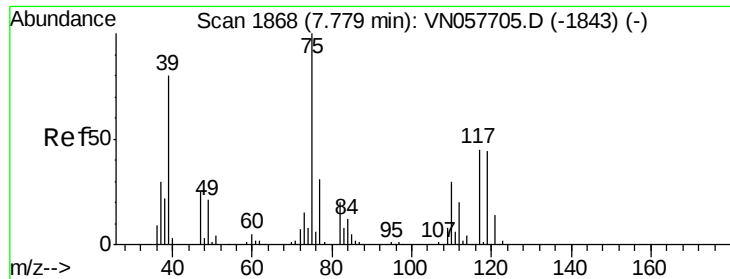
#35
Dibromofluoromethane
Concen: 55.068 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057784.D
Acq: 8 Sep 2019 3:35

Tgt Ion:113 Resp: 139989
Ion Ratio Lower Upper
113 100
111 100.9 82.7 124.1
192 18.1 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

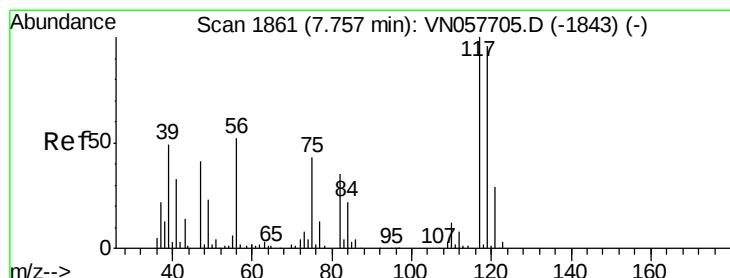
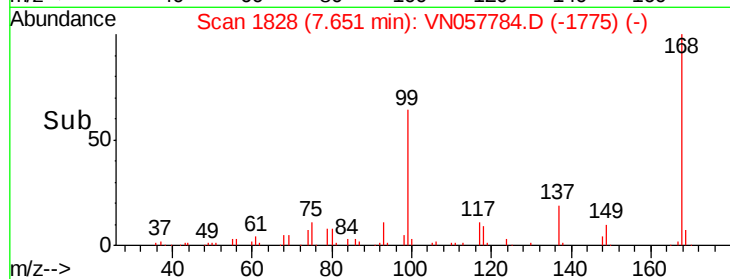
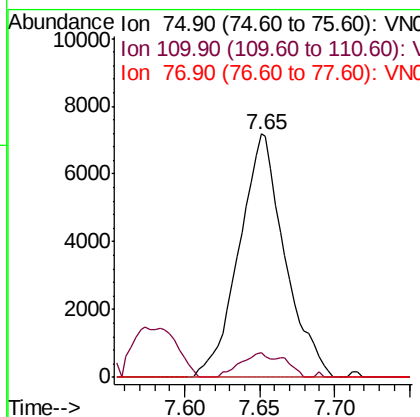
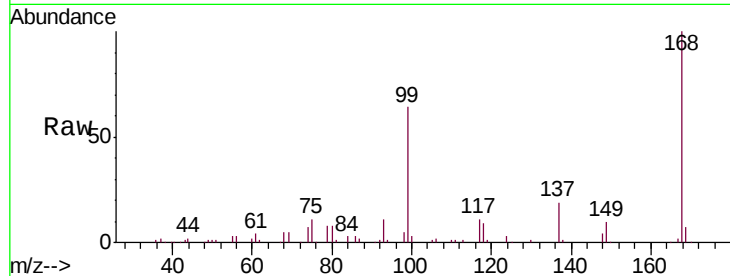




#36
 1,1-Dichloropropene
 Concen: 4.098 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057784.D
 Acq: 8 Sep 2019 3:35

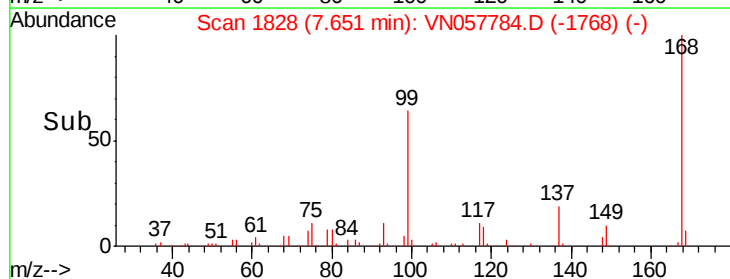
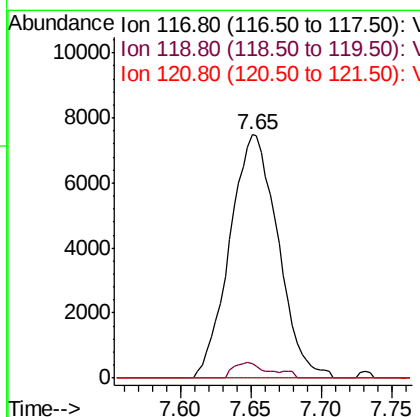
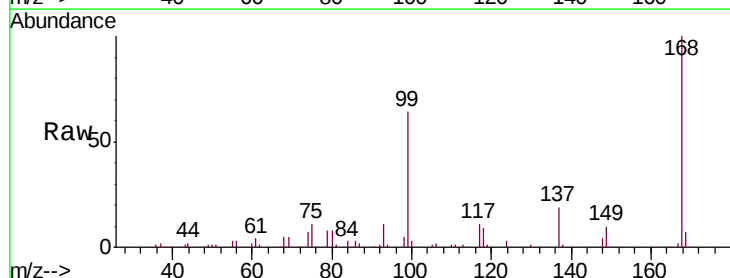
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-F4-(0)

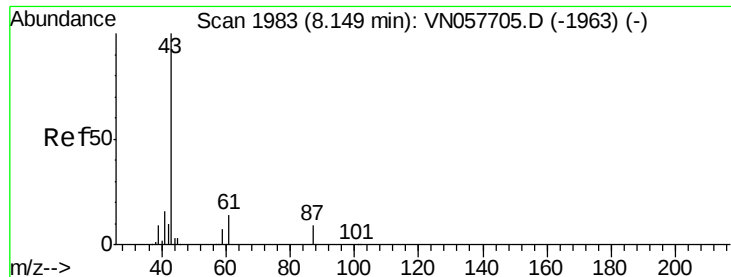
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	15.0	45.0#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.031 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057784.D
 Acq: 8 Sep 2019 3:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.1	114.1#
121	0.0	23.4	35.2#





#43

Isopropyl Acetate

Concen: 6.645 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057784.D

Acq: 8 Sep 2019 3:35

Instrument :

MSVOA_N

ClientSampled :

T12-F4-(0)

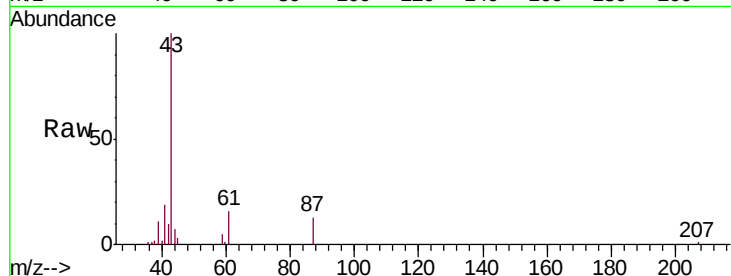
Tgt Ion: 43 Resp: 47015

Ion Ratio Lower Upper

43 100

61 16.6 12.8 19.2

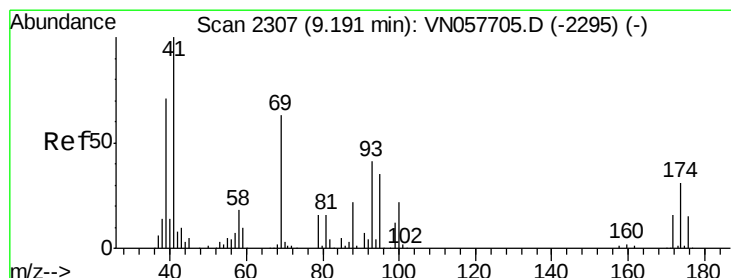
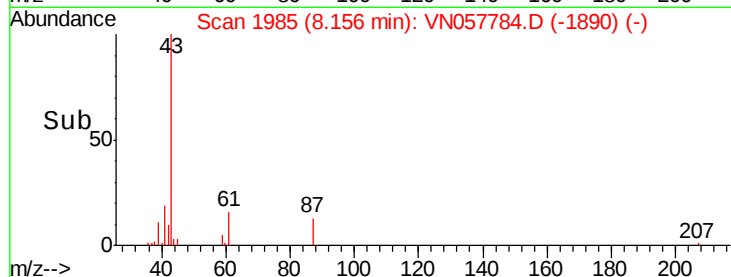
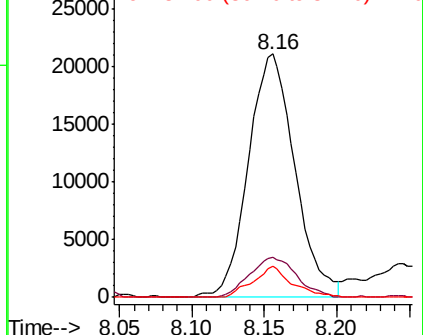
87 10.7 7.8 11.8



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

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

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



#48

Methyl methacrylate

Concen: 19.633 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.07 min

Lab File: VN057784.D

Acq: 8 Sep 2019 3:35

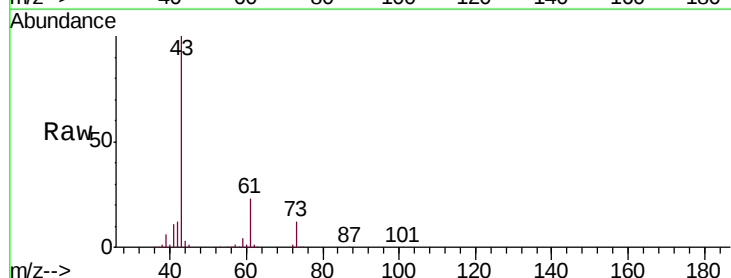
Tgt Ion: 41 Resp: 71438

Ion Ratio Lower Upper

41 100

69 0.0 51.2 76.8#

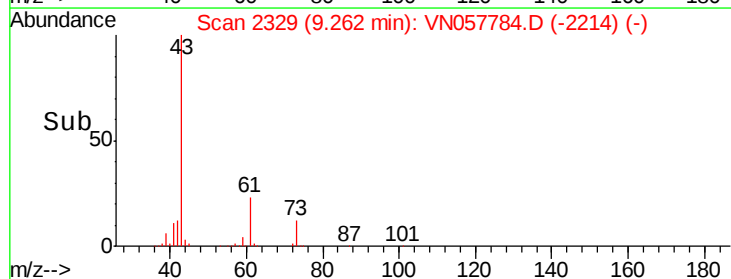
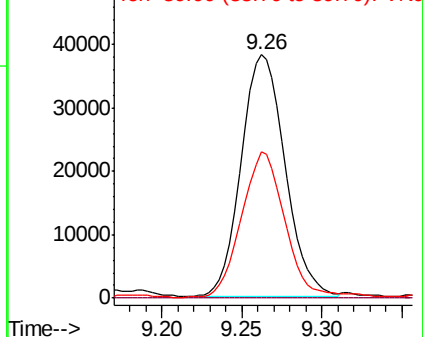
39 61.1 57.3 85.9

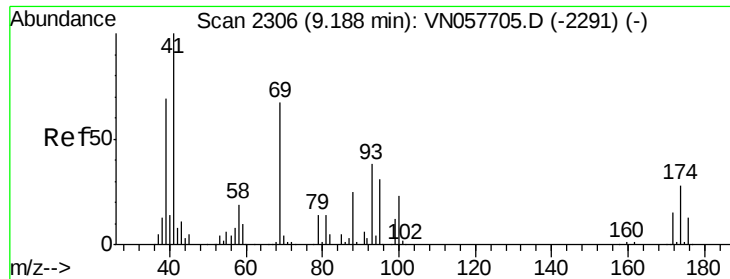


Abundance Ion 41.00 (40.70 to 41.70): VN057705.D (-2295) (-)

Ion 69.00 (68.70 to 69.70): VN057705.D (-2295) (-)

Ion 39.00 (38.70 to 39.70): VN057705.D (-2295) (-)

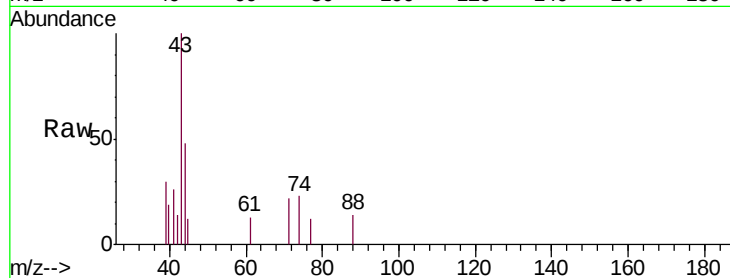




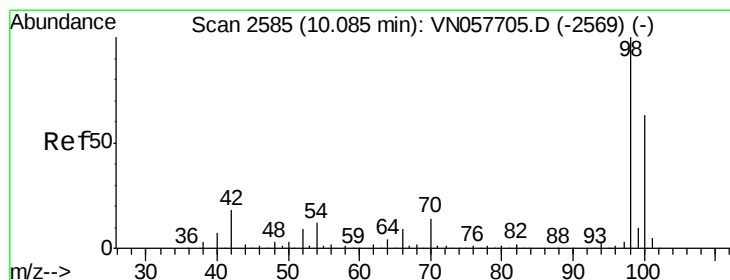
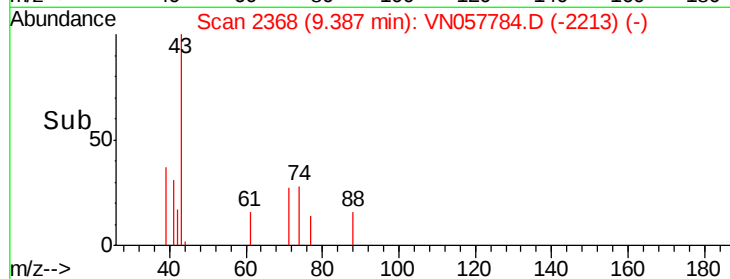
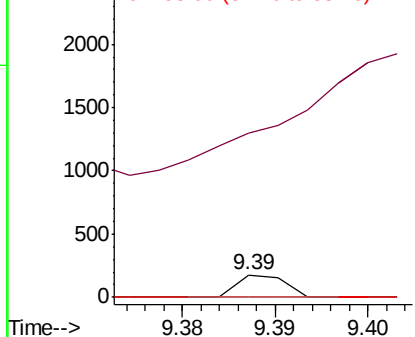
#49
1,4-Dioxane
Concen: 1.488 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.20 min
Lab File: VN057784.D
Acq: 8 Sep 2019 3:35

Instrument :
MSVOA_N
ClientSampleId :
T12-F4-(0)

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 0.0 35.4 53.2#
58 0.0 61.5 92.3#

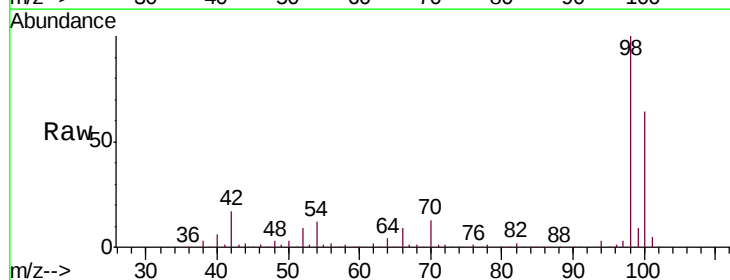


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

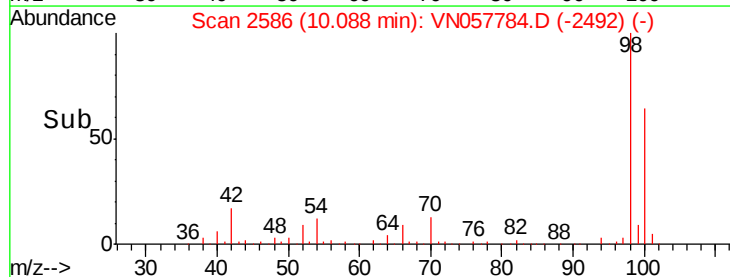
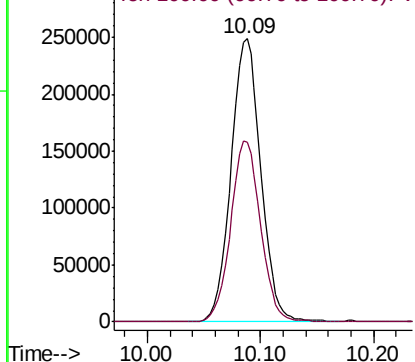


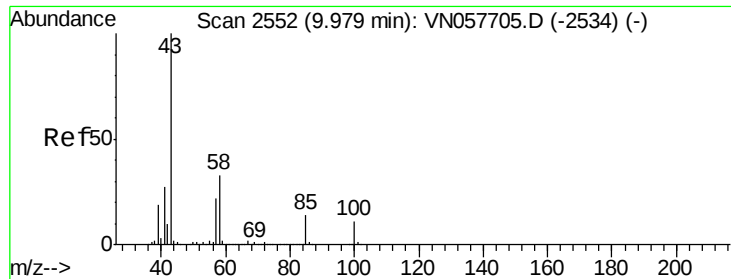
#50
Toluene-d8
Concen: 48.492 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057784.D
Acq: 8 Sep 2019 3:35

Tgt Ion: 98 Resp: 456018
Ion Ratio Lower Upper
98 100
100 64.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

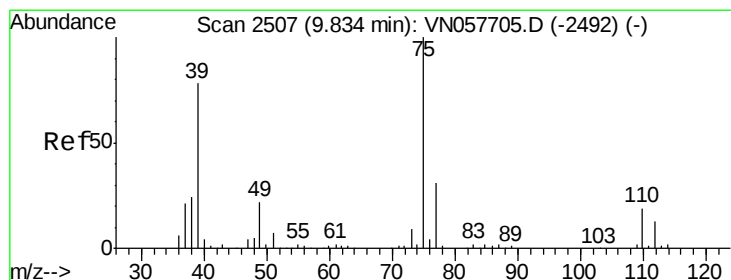
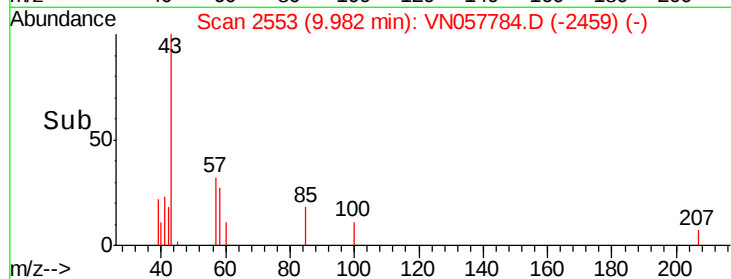
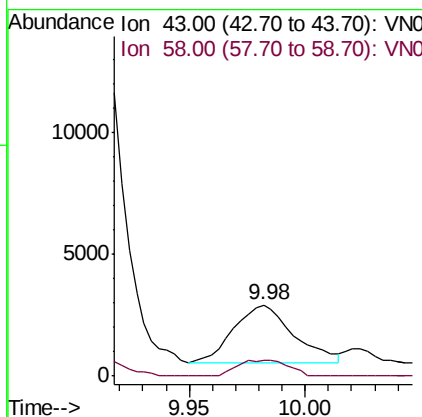
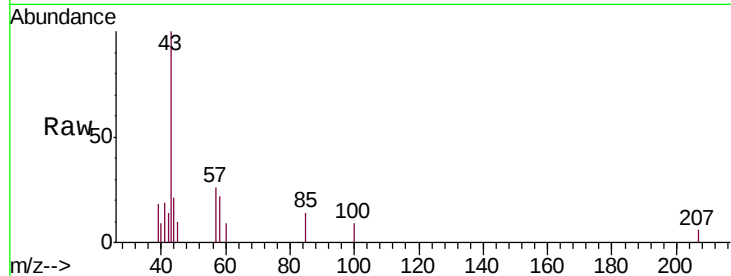




#51
 4-Methyl-2-Pentanone
 Concen: 1.103 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN057784.D
 Acq: 8 Sep 2019 3:35

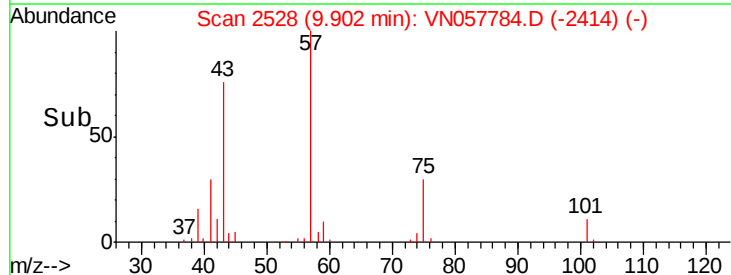
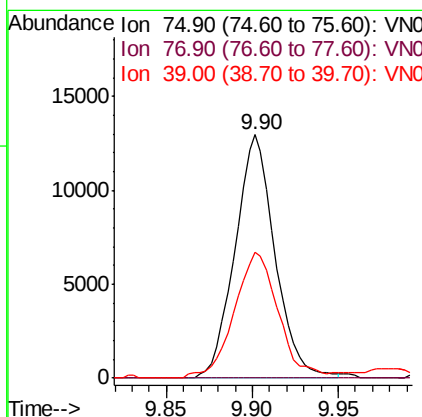
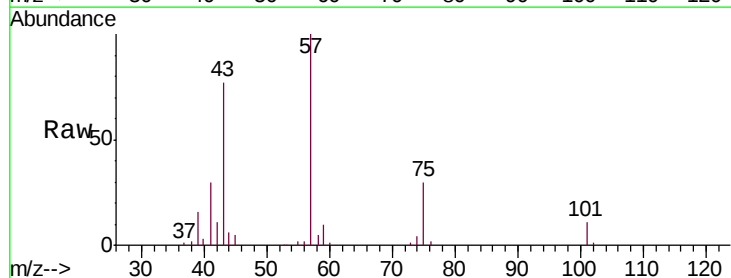
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-F4-(0)

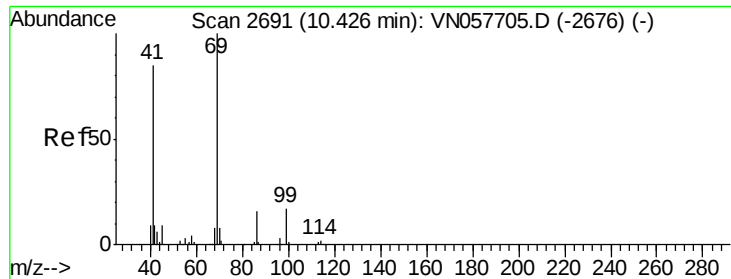
Tgt Ion: 43 Resp: 4333
 Ion Ratio Lower Upper
 43 100
 58 23.3 25.8 38.8#



#54
 cis-1,3-Dichloropropene
 Concen: 4.820 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN057784.D
 Acq: 8 Sep 2019 3:35

Tgt Ion: 75 Resp: 20918
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 49.8 62.4 93.6#

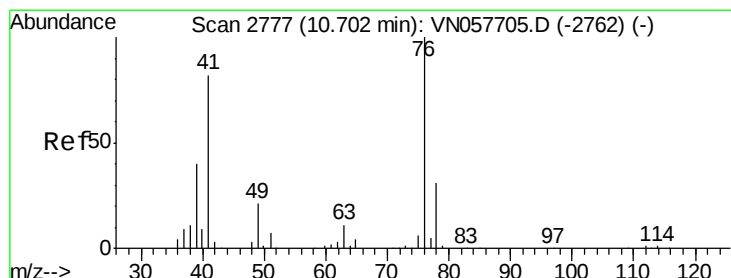
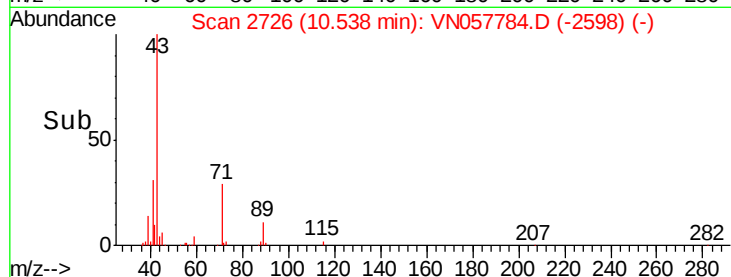
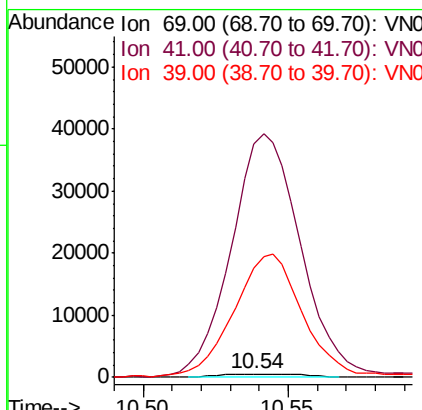
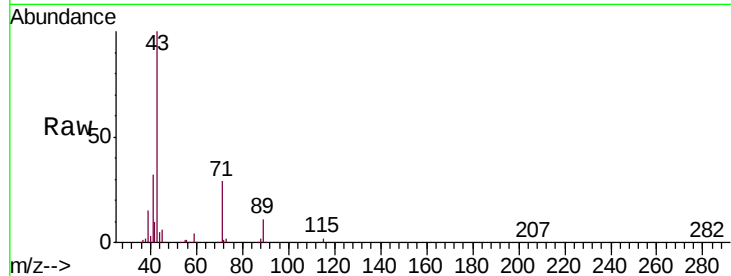




#56
Ethyl methacrylate
Concen: 0.253 ug/l
RT: 10.54 min Scan# 2726
Delta R.T. 0.11 min
Lab File: VN057784.D
Acq: 8 Sep 2019 3:35

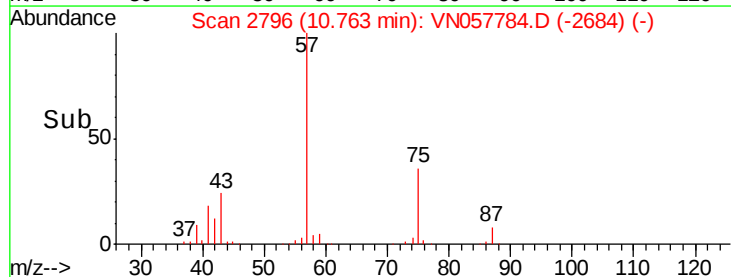
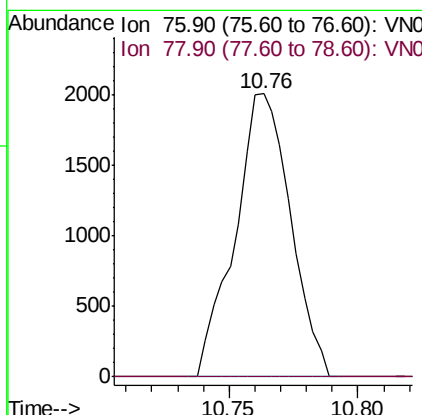
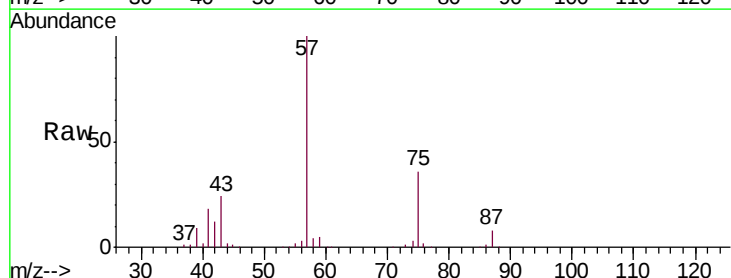
Instrument :
MSVOA_N
ClientSampled :
T12-F4-(0)

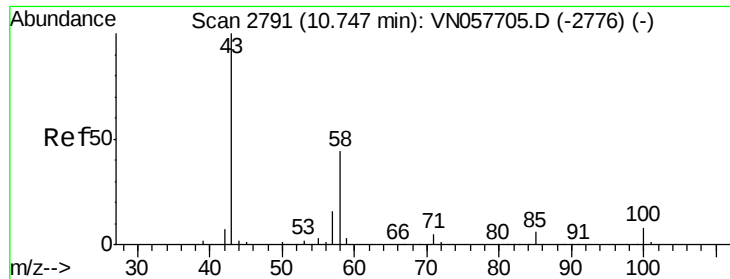
Tgt Ion: 69 Resp: 1033
Ion Ratio Lower Upper
69 100
41 6384.0 69.0 103.4#
39 3199.6 49.2 73.8#



#57
1,3-Dichloropropane
Concen: 0.657 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.06 min
Lab File: VN057784.D
Acq: 8 Sep 2019 3:35

Tgt Ion: 76 Resp: 3022
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

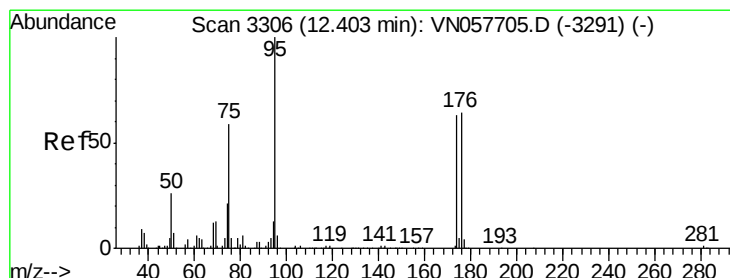
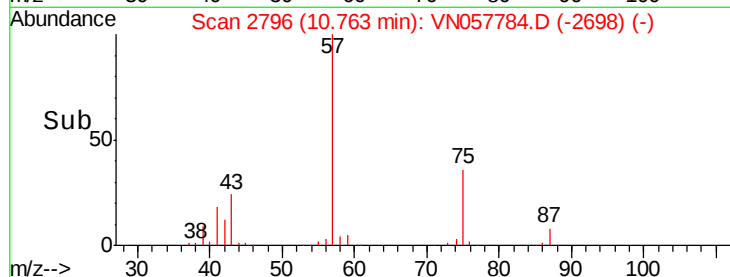
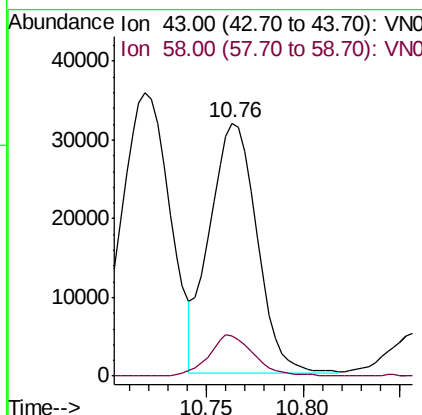
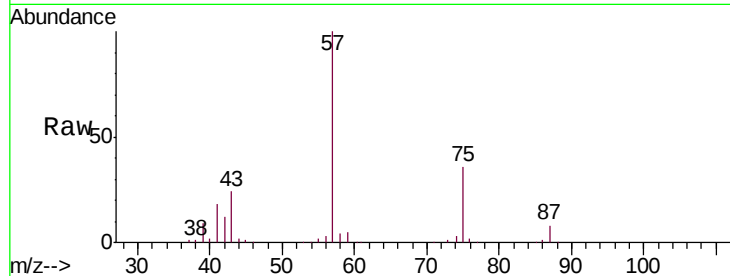




#59
2-Hexanone
Concen: 19.497 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.02 min
Lab File: VN057784.D
Acq: 8 Sep 2019 3:35

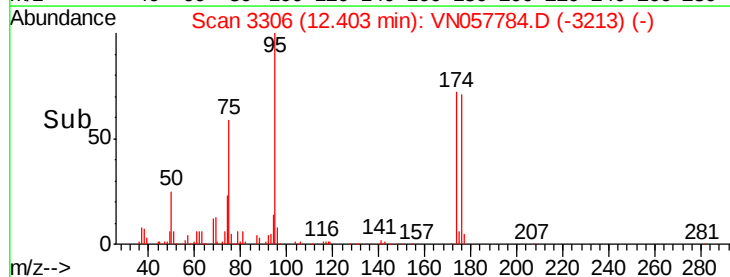
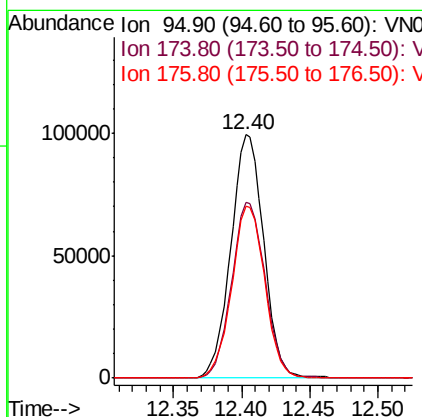
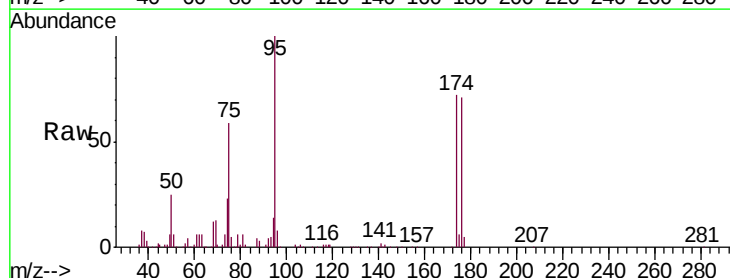
Instrument :
MSVOA_N
ClientSampleId :
T12-F4-(0)

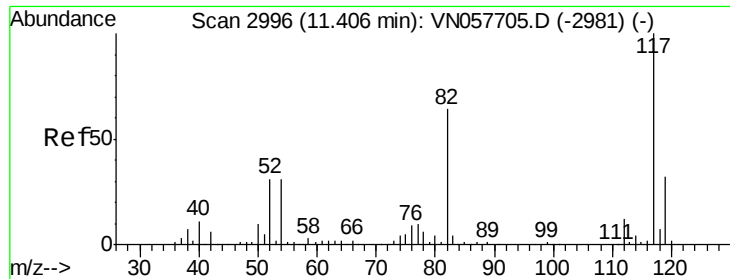
Tgt Ion: 43 Resp: 54022
Ion Ratio Lower Upper
43 100
58 15.8 22.1 66.5#



#62
4-Bromofluorobenzene
Concen: 42.577 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057784.D
Acq: 8 Sep 2019 3:35

Tgt Ion: 95 Resp: 166305
Ion Ratio Lower Upper
95 100
174 73.6 0.0 128.0
176 71.0 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: VN057784.D

Acq: 8 Sep 2019 3:35

Instrument :

MSVOA_N

ClientSampleId :

T12-F4-(0)

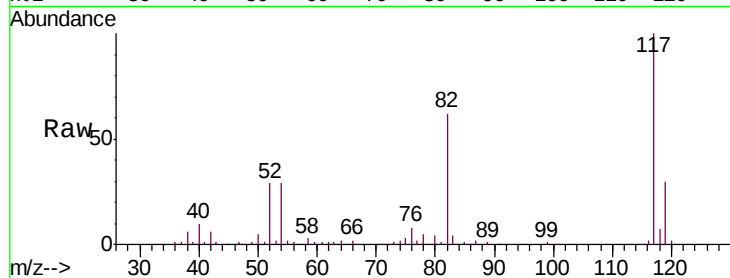
Tgt Ion:117 Resp: 247495

Ion Ratio Lower Upper

117 100

82 61.8 51.4 77.0

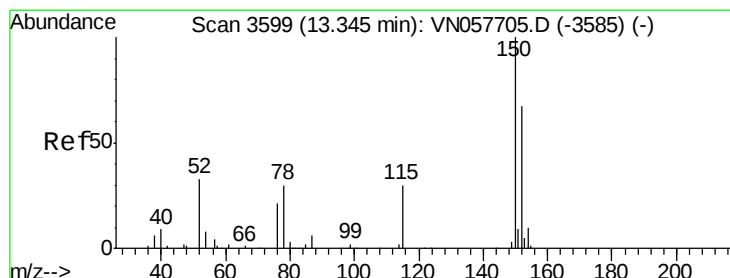
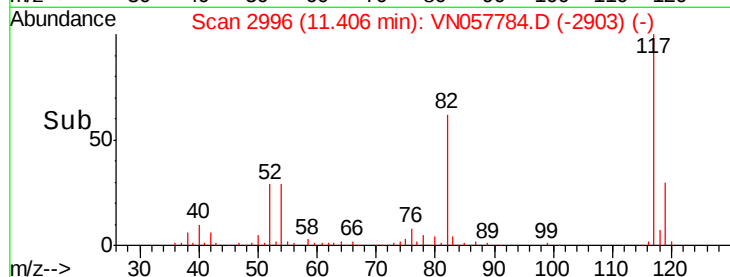
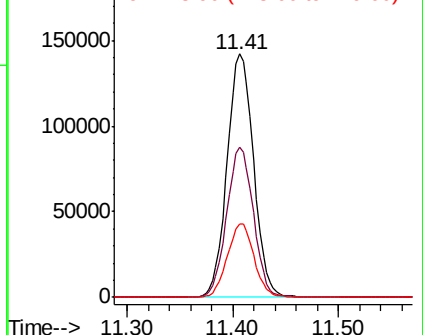
119 30.3 25.4 38.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057784.D

Acq: 8 Sep 2019 3:35

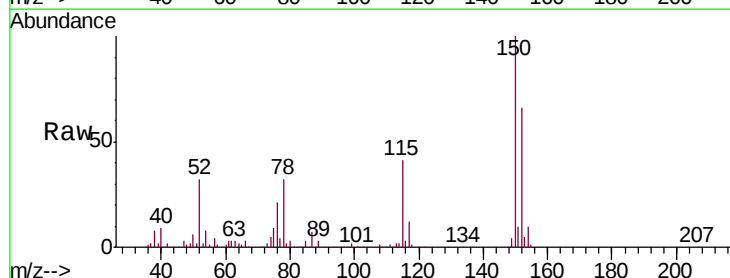
Tgt Ion:152 Resp: 120464

Ion Ratio Lower Upper

152 100

115 63.1 33.8 101.3

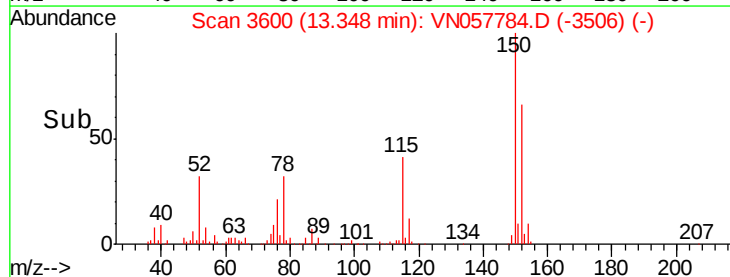
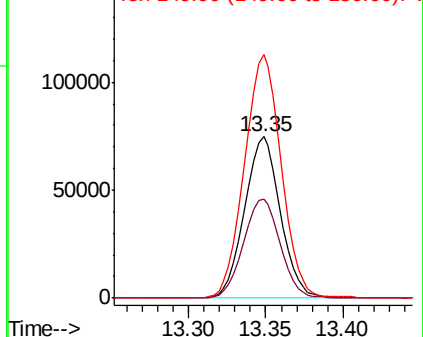
150 155.4 0.0 345.4

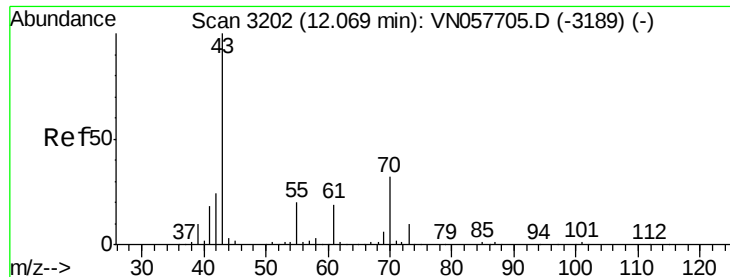


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

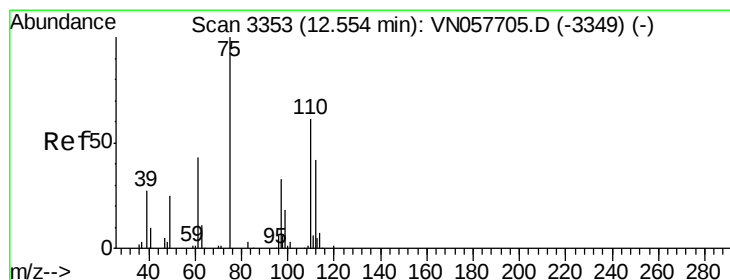
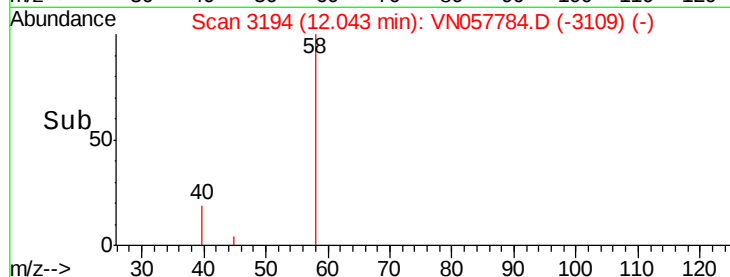
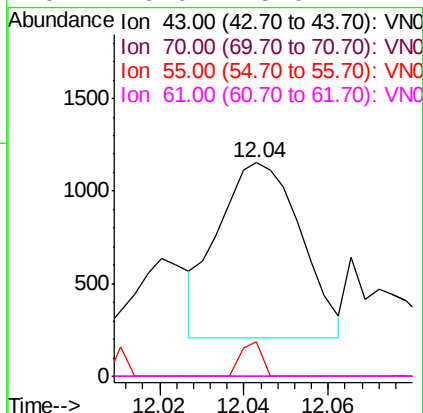
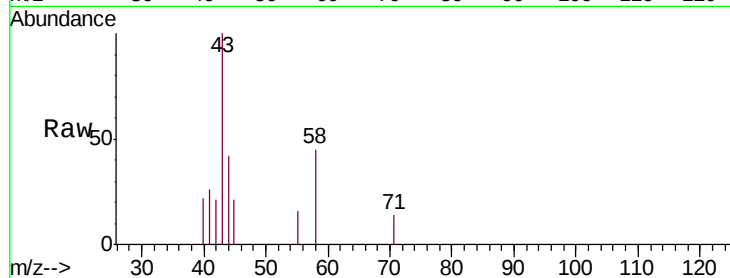




#74
N-ethyl acetate
Concen: 0.242 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.03 min
Lab File: VN057784.D
Acq: 8 Sep 2019 3:35

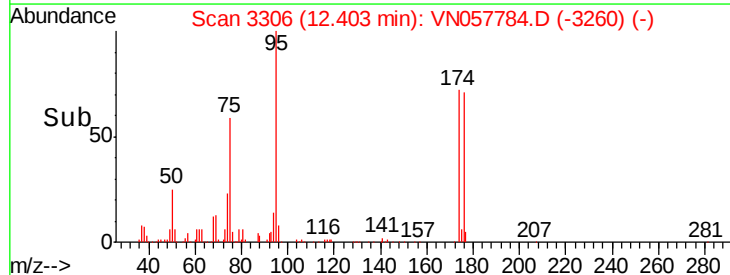
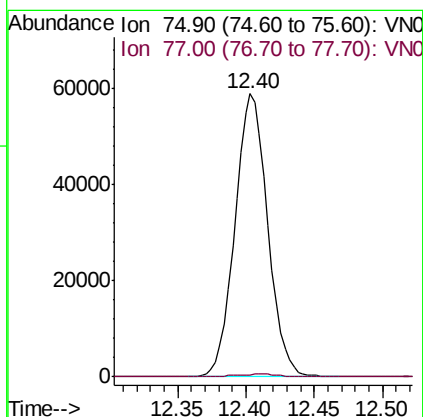
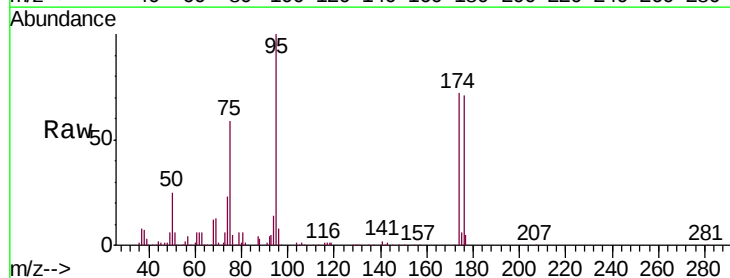
Instrument :
MSVOA_N
ClientSampled :
T12-F4-(0)

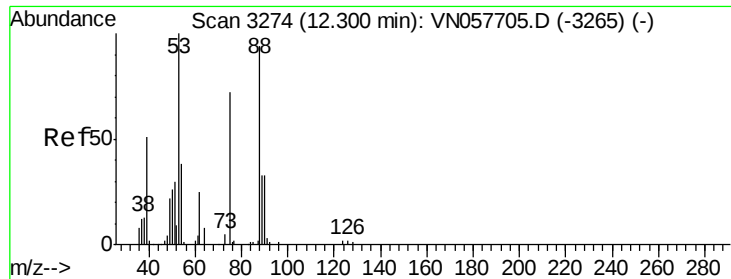
Tgt Ion:	43	Resp:	1287
Ion	Ratio	Lower	Upper
43	100		
70	0.0	26.1	39.1#
55	5.1	16.3	24.5#
61	0.0	15.0	22.4#



#76
1,2,3-Trichloropropane
Concen: 35.421 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN057784.D
Acq: 8 Sep 2019 3:35

Tgt Ion:	75	Resp:	97985
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.159 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057784.D
 Acq: 8 Sep 2019 3:35

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-F4-(0)

Tgt Ion: 75 Resp: 97985
 Ion Ratio Lower Upper
 75 100
 53 0.0 107.0 160.6#
 89 0.0 36.5 54.7#

