

Data File : VN057783.D
Acq On : 8 Sep 2019 3:13
Operator : JC/SP
Sample : K4601-33
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-F3-(0)

Quant Time: Sep 08 06:47:11 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	187168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	307057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	283534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	145411	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	233888	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
35) Dibromofluoromethane	7.58	113	144685	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
50) Toluene-d8	10.09	98	538771	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
62) 4-Bromofluorobenzene	12.40	95	200085	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	

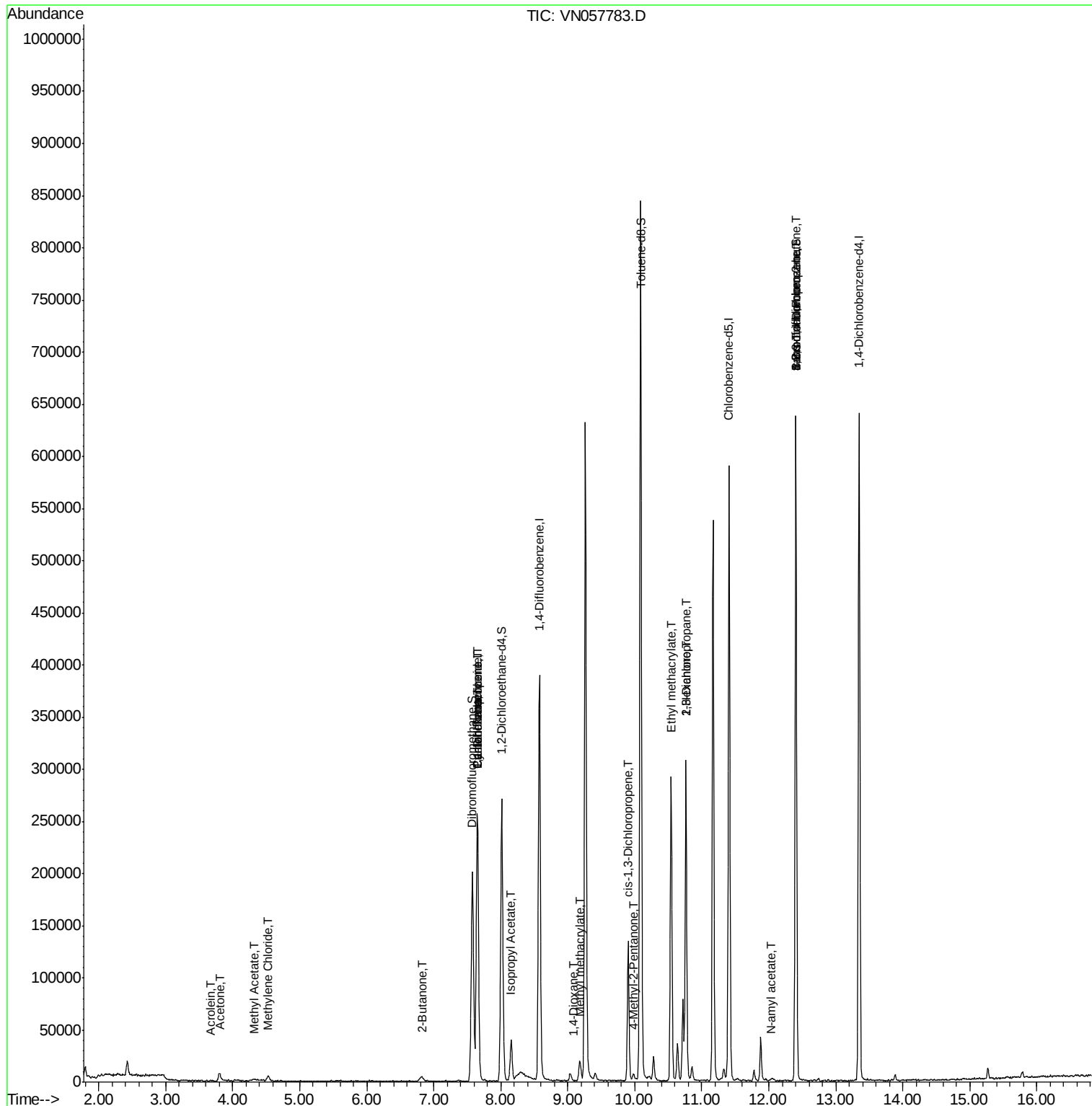
Target Compounds			Qvalue			
3) Chloromethane	2.03	50	437	Below Cal	#	42
13) Acrolein	3.66	56	146	0.593	ug/l #	15
16) Acetone	3.81	43	12059	8.606	ug/l #	88
18) Methyl Acetate	4.31	43	3472	0.911	ug/l #	64
20) Methylene Chloride	4.54	84	3162	1.044	ug/l #	75
25) 2-Butanone	6.83	43	1585	0.790	ug/l #	55
31) Cyclohexane	7.65	56	6947	1.359	ug/l #	40
36) 1,1-Dichloropropene	7.65	75	17211	4.213	ug/l #	48
38) Carbon Tetrachloride	7.65	117	20692	5.290	ug/l #	16
43) Isopropyl Acetate	8.16	43	47149	6.057	ug/l	98
48) Methyl methacrylate	9.17	41	2941	0.735	ug/l #	16
49) 1,4-Dioxane	9.09	88	30	0.644	ug/l #	19
51) 4-Methyl-2-Pentanone	9.99	43	3697	0.855	ug/l #	73
54) cis-1,3-Dichloropropene	9.90	75	19968	4.182	ug/l #	60
56) Ethyl methacrylate	10.54	69	1137	0.253	ug/l #	1
57) 1,3-Dichloropropane	10.77	76	2962	0.585	ug/l #	43
59) 2-Hexanone	10.76	43	49964	16.390	ug/l #	58
71) Bromoform	12.40	173	751	3.607	ug/l #	28
74) N-amyl acetate	12.04	43	1385	0.216	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	116495	34.887	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	116495	108.500	ug/l #	1

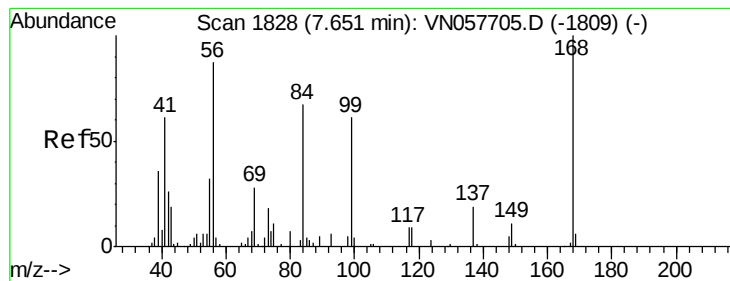
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057783.D

Acq: 8 Sep 2019 3:13

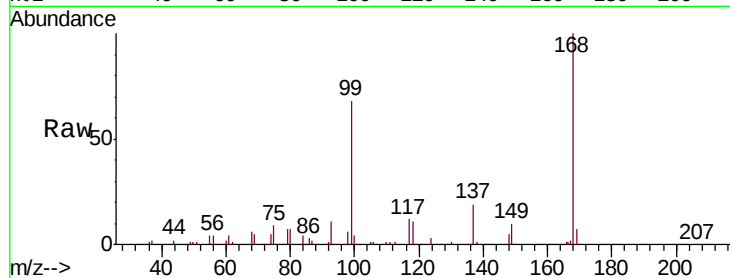
Instrument :
MSVOA_N
ClientSampleId :
T12-F3-(0)

Tgt Ion: 168 Resp: 187168

Ion Ratio Lower Upper

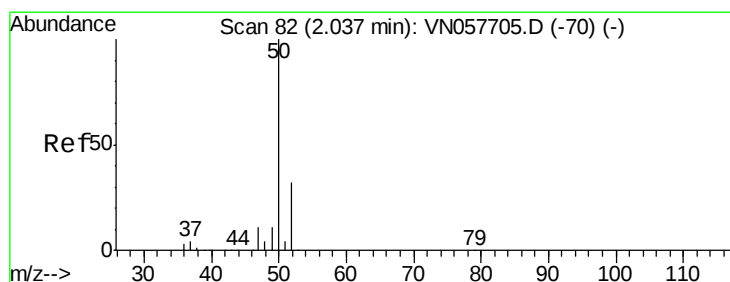
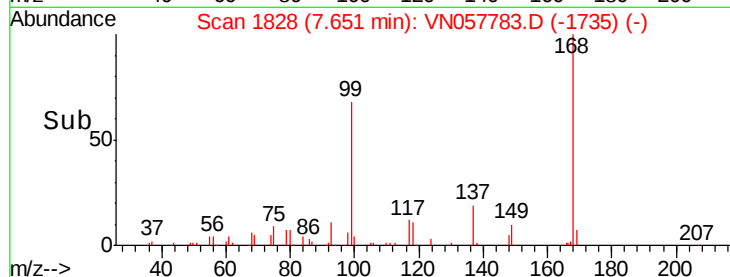
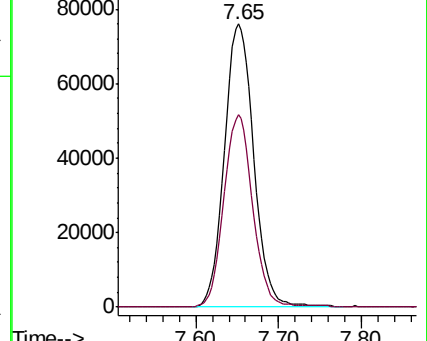
168 100

99 68.1 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057783.D

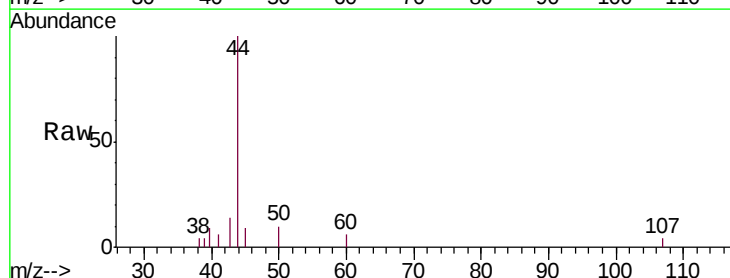
Acq: 8 Sep 2019 3:13

Tgt Ion: 50 Resp: 437

Ion Ratio Lower Upper

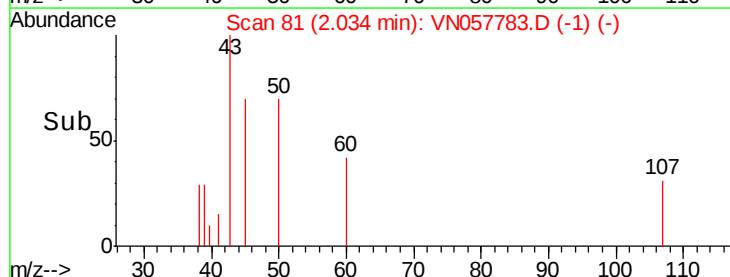
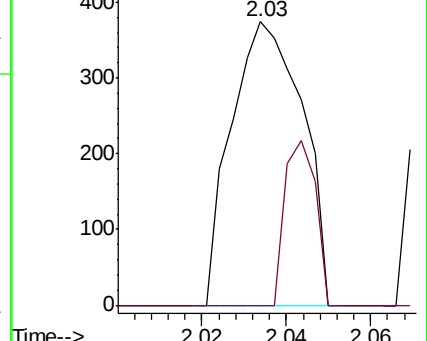
50 100

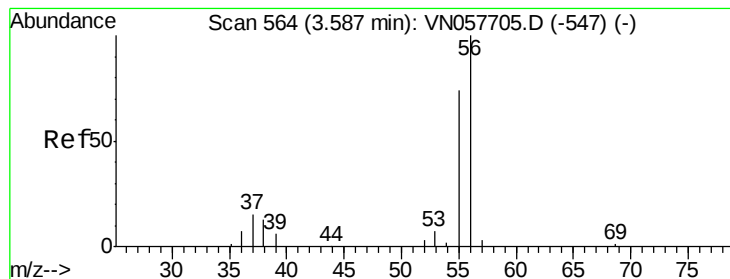
52 0.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#13

Acrolein

Concen: 0.593 ug/l

RT: 3.66 min Scan# 588

Delta R.T. 0.08 min

Lab File: VN057783.D

Acq: 8 Sep 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

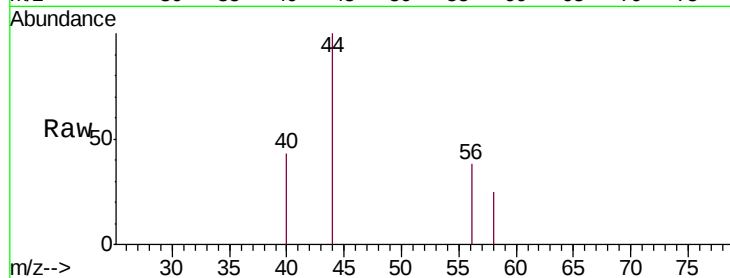
T12-F3-(0)

Tgt Ion: 56 Resp: 146

Ion Ratio Lower Upper

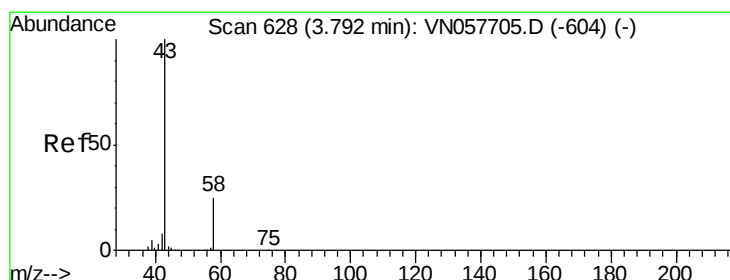
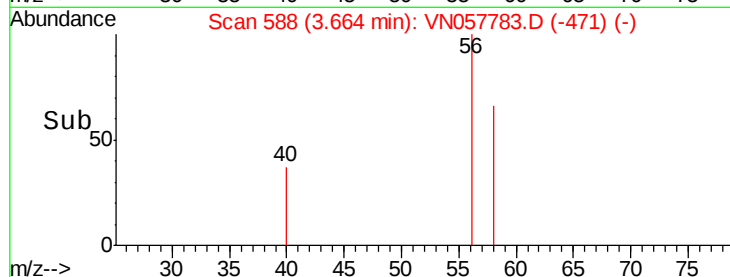
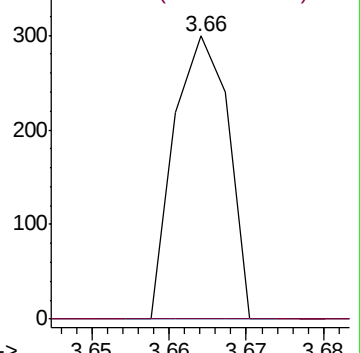
56 100

55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 8.606 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.02 min

Lab File: VN057783.D

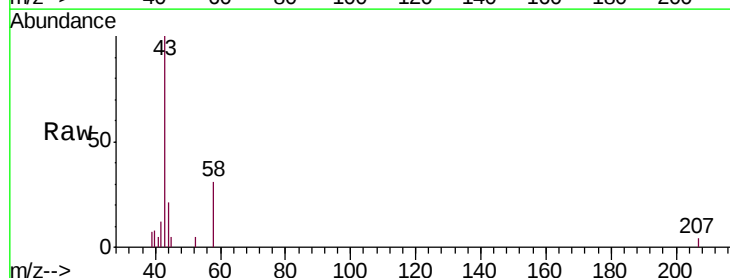
Acq: 8 Sep 2019 3:13

Tgt Ion: 43 Resp: 12059

Ion Ratio Lower Upper

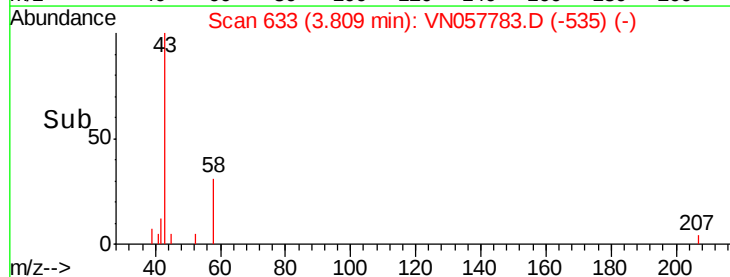
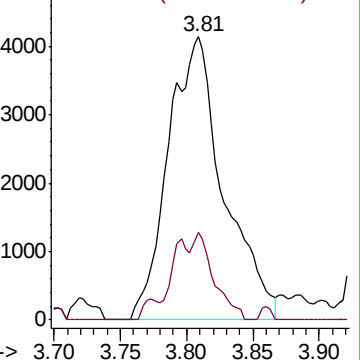
43 100

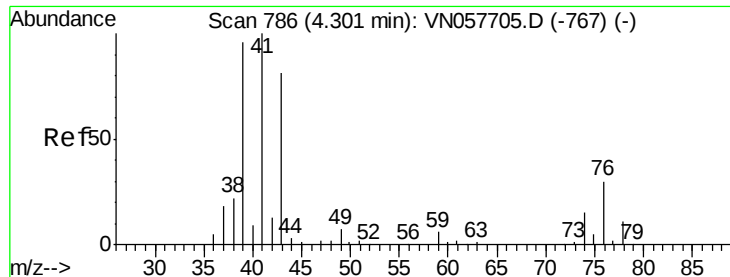
58 30.7 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

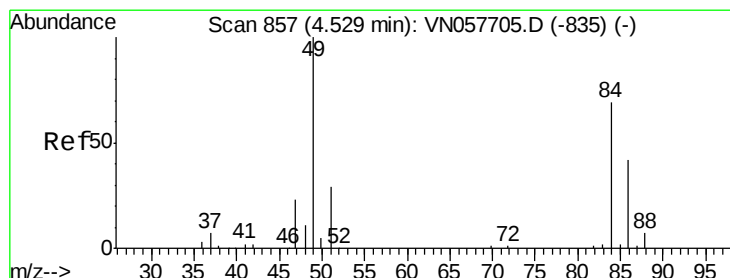
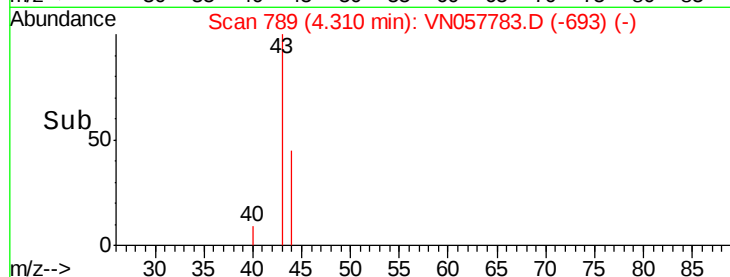
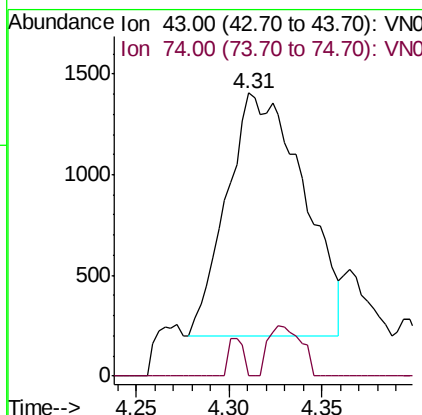
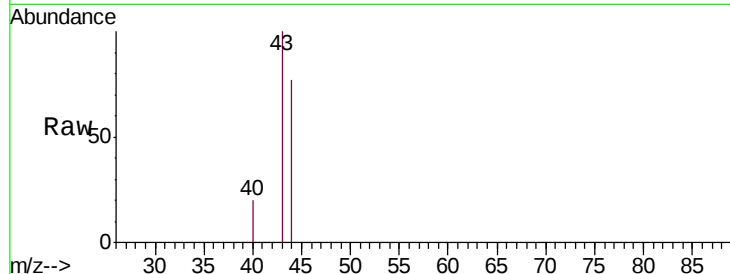




#18
Methyl Acetate
Concen: 0.911 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN057783.D
Acq: 8 Sep 2019 3:13

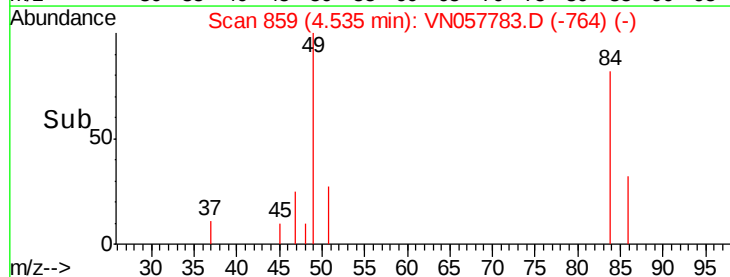
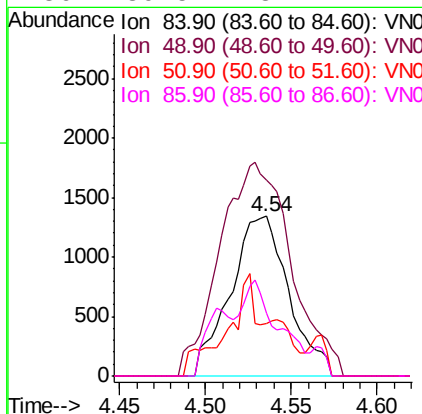
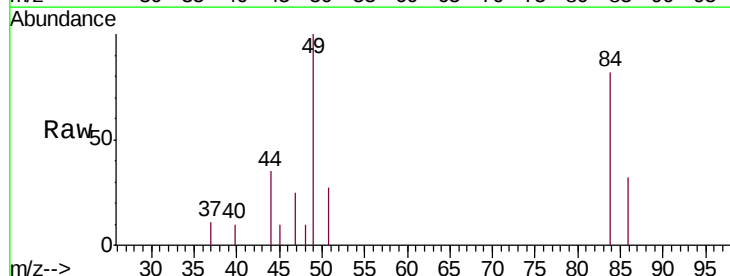
Instrument :
MSVOA_N
ClientSampleId :
T12-F3-(0)

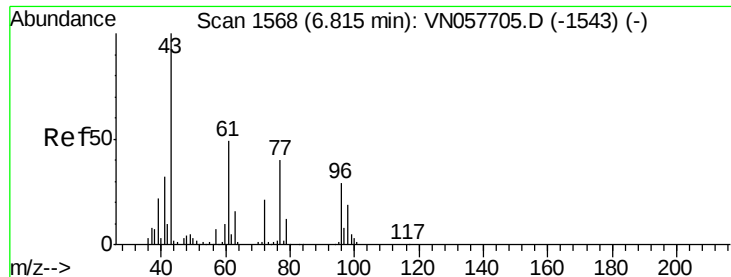
Tgt Ion: 43 Resp: 3472
Ion Ratio Lower Upper
43 100
74 2.9 15.3 22.9#



#20
Methylene Chloride
Concen: 1.044 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.01 min
Lab File: VN057783.D
Acq: 8 Sep 2019 3:13

Tgt Ion: 84 Resp: 3162
Ion Ratio Lower Upper
84 100
49 110.8 115.0 172.6#
51 32.5 33.8 50.8#
86 39.5 48.2 72.2#

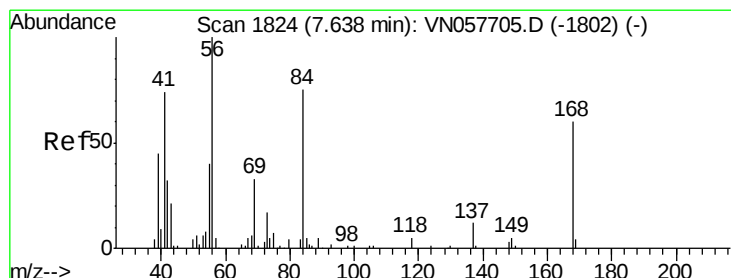
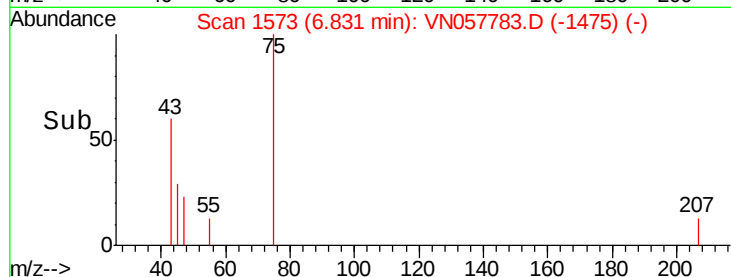
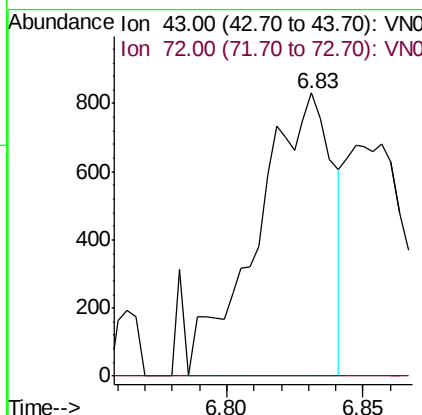
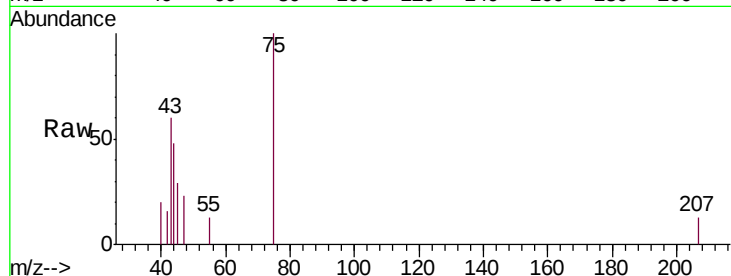




#25
2-Butanone
Concen: 0.790 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.02 min
Lab File: VN057783.D
Acq: 8 Sep 2019 3:13

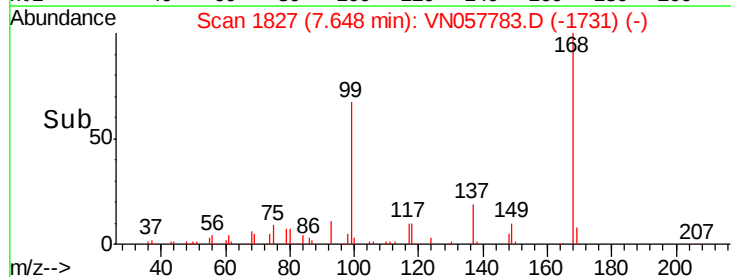
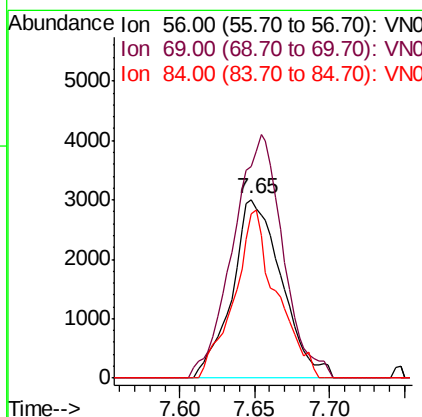
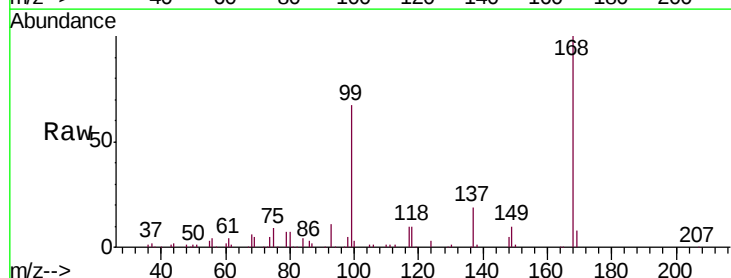
Instrument :
MSVOA_N
ClientSampled :
T12-F3-(0)

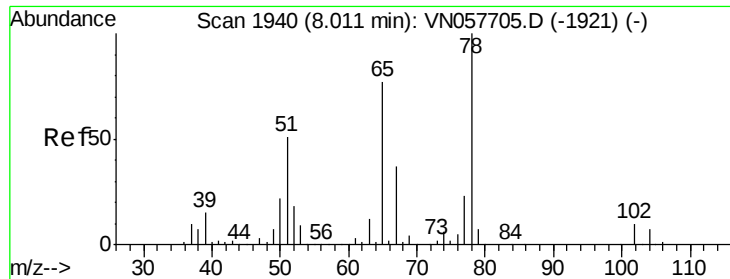
Tgt Ion: 43 Resp: 1585
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#



#31
Cyclohexane
Concen: 1.359 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057783.D
Acq: 8 Sep 2019 3:13

Tgt Ion: 56 Resp: 6947
Ion Ratio Lower Upper
56 100
69 118.3 26.2 39.2#
84 92.1 59.8 89.8#

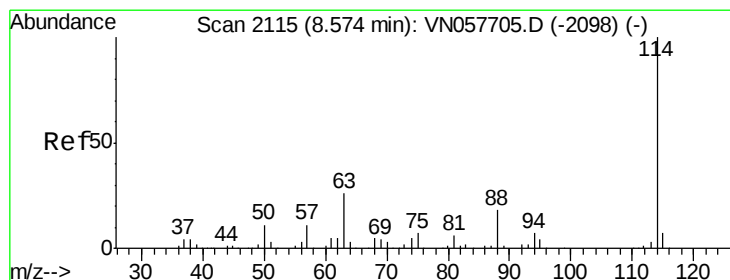
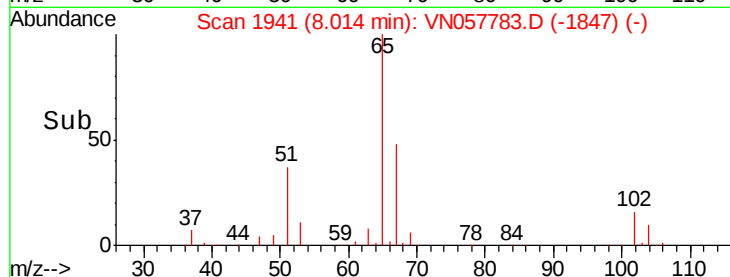
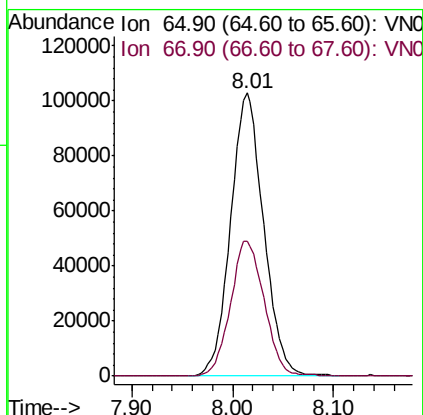
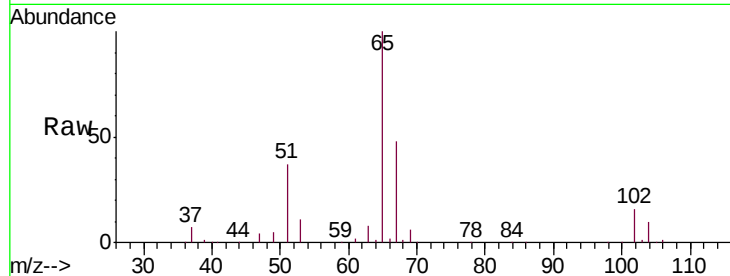




#33
 1,2-Dichloroethane-d4
 Concen: 51.368 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057783.D
 Acq: 8 Sep 2019 3:13

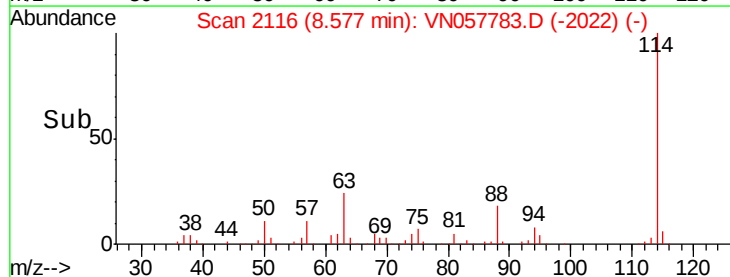
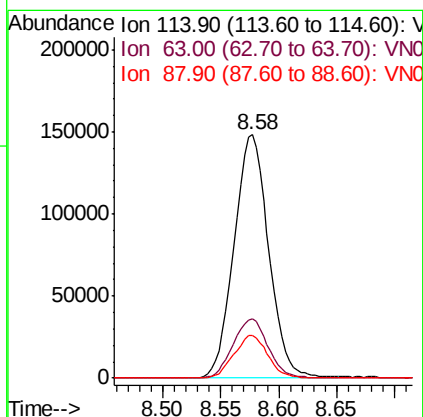
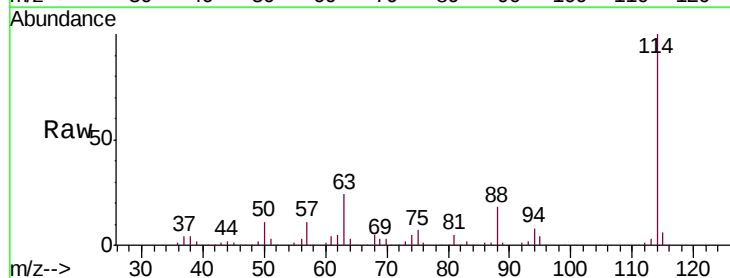
Instrument :
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 ClientSampled :
 T12-F3-(0)

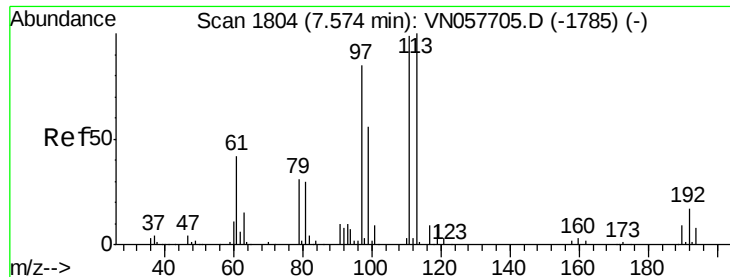
Tgt Ion: 65 Resp: 233888
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057783.D
 Acq: 8 Sep 2019 3:13

Tgt Ion: 114 Resp: 307057
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 52.4
 88 17.6 0.0 35.4

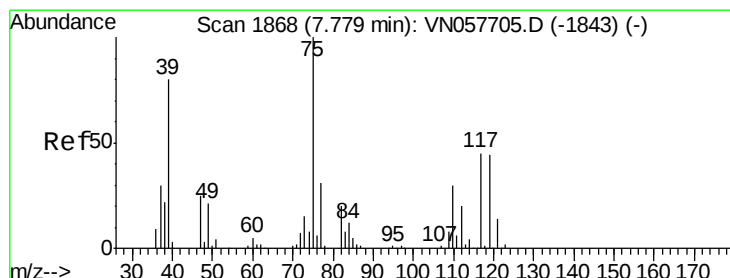
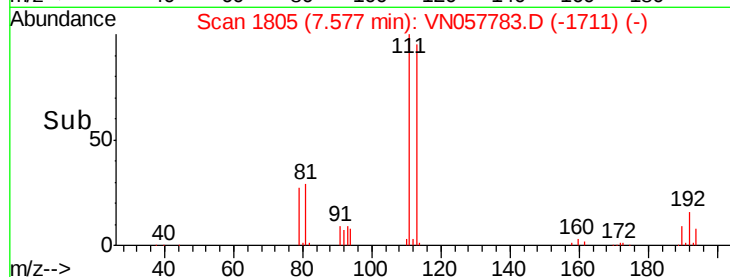
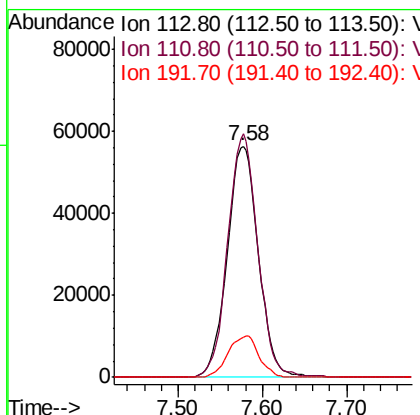
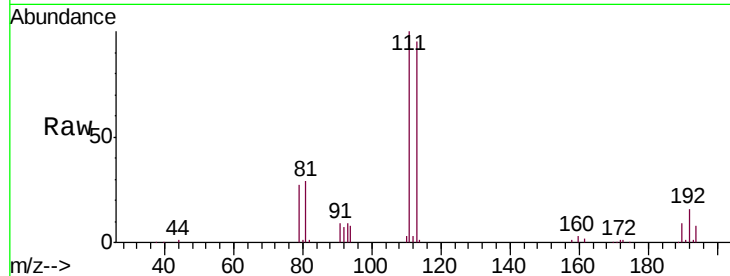




#35
 Dibromofluoromethane
 Concen: 51.732 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057783.D
 Acq: 8 Sep 2019 3:13

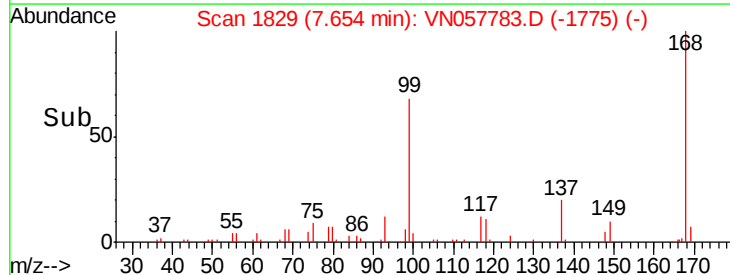
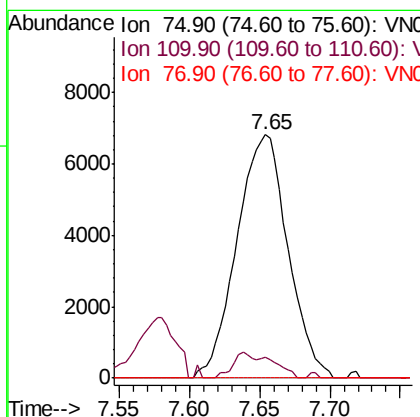
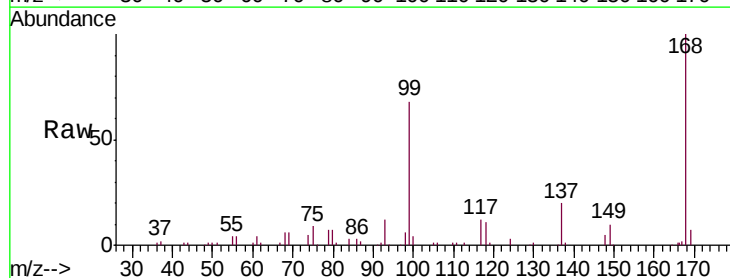
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 T12-F3-(0)

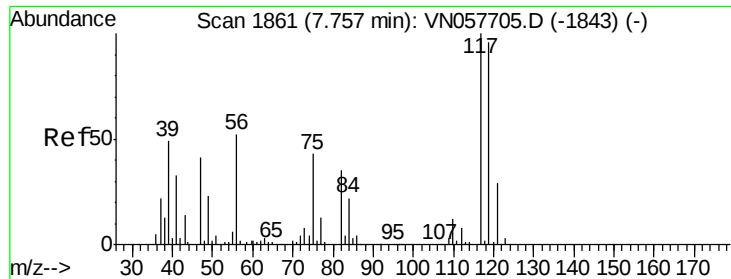
Tgt Ion:113 Resp: 144685
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.7 124.1
 192 17.7 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 4.213 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN057783.D
 Acq: 8 Sep 2019 3:13

Tgt Ion: 75 Resp: 17211
 Ion Ratio Lower Upper
 75 100
 110 4.6 15.0 45.0#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.290 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057783.D

Acq: 8 Sep 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

T12-F3-(0)

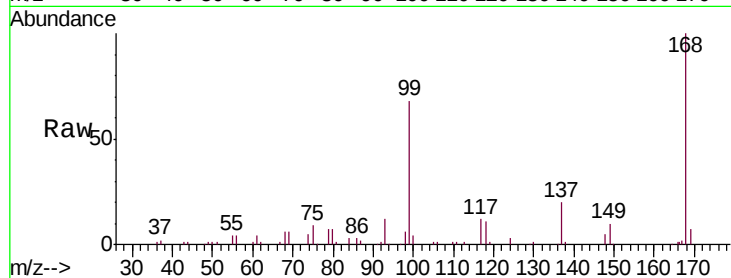
Tgt Ion:117 Resp: 20692

Ion Ratio Lower Upper

117 100

119 4.8 76.1 114.1#

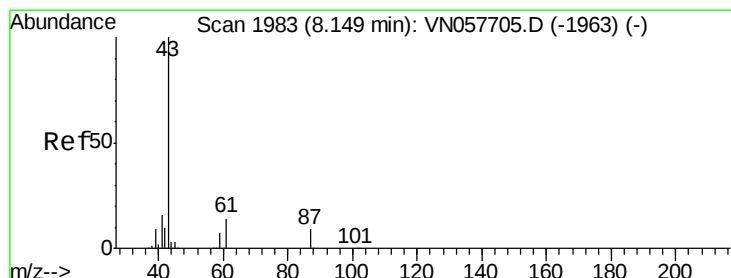
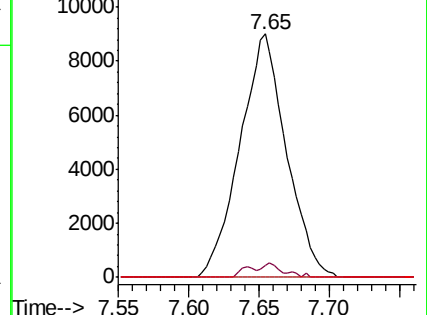
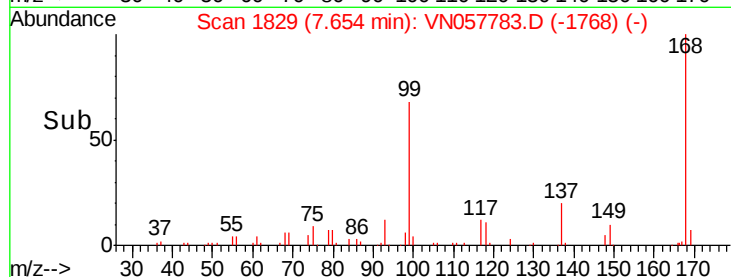
121 0.0 23.4 35.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 6.057 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057783.D

Acq: 8 Sep 2019 3:13

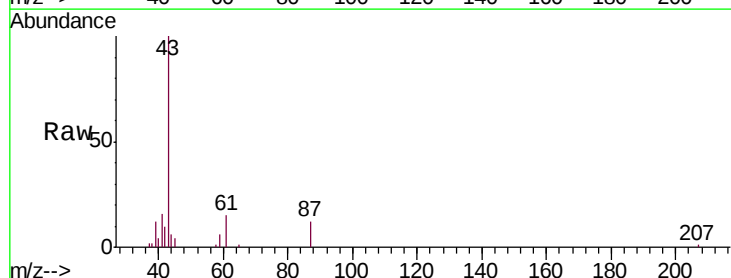
Tgt Ion: 43 Resp: 47149

Ion Ratio Lower Upper

43 100

61 16.6 12.8 19.2

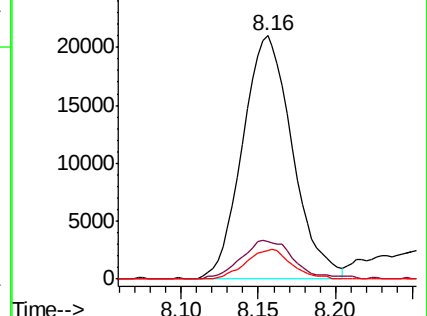
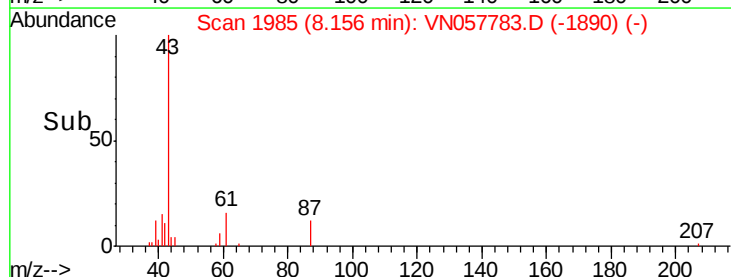
87 11.2 7.8 11.8

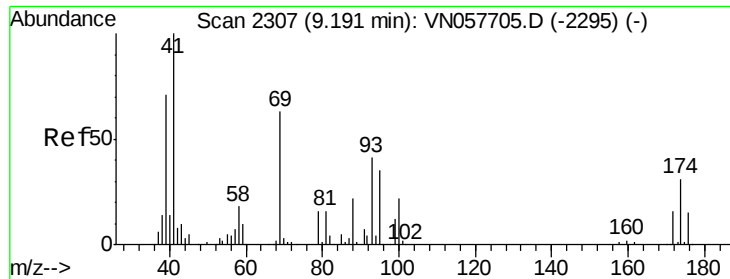


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

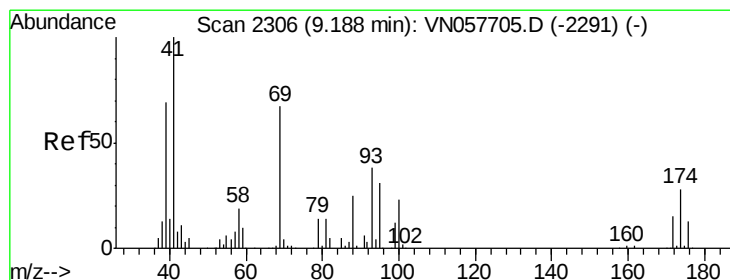
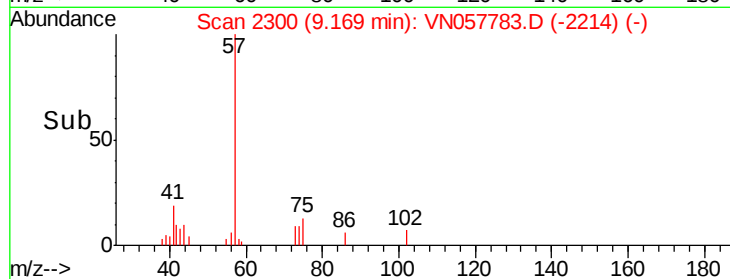
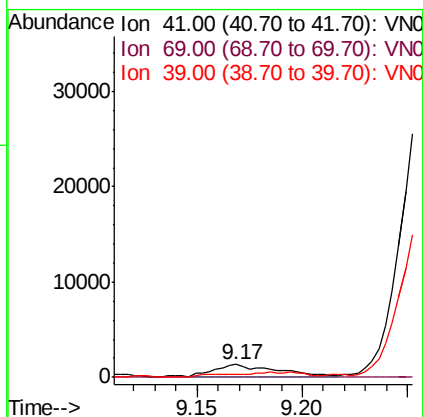
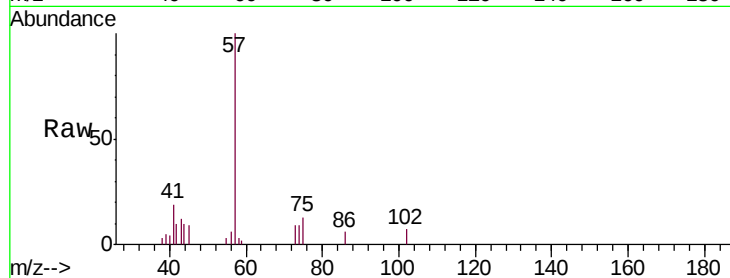




#48
Methyl methacrylate
Concen: 0.735 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.02 min
Lab File: VN057783.D
Acq: 8 Sep 2019 3:13

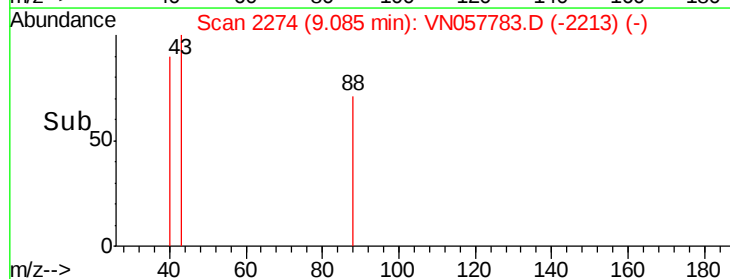
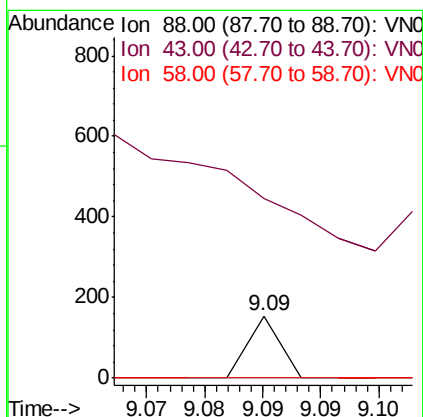
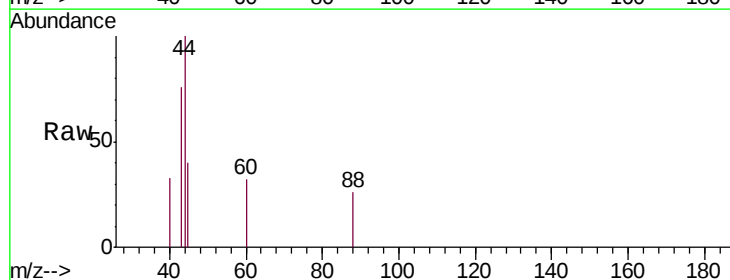
Instrument :
MSVOA_N
ClientSampleId :
T12-F3-(0)

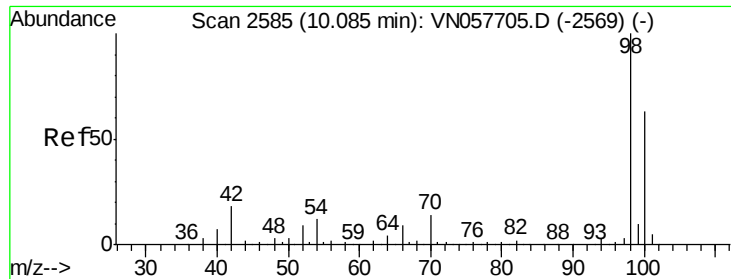
Tgt Ion: 41 Resp: 2941
Ion Ratio Lower Upper
41 100
69 0.0 51.2 76.8#
39 0.0 57.3 85.9#



#49
1,4-Dioxane
Concen: 0.644 ug/l
RT: 9.09 min Scan# 2274
Delta R.T. -0.10 min
Lab File: VN057783.D
Acq: 8 Sep 2019 3:13

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: 52.075 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057783.D

Acq: 8 Sep 2019 3:13

Instrument :

MSVOA_N

ClientSampled :

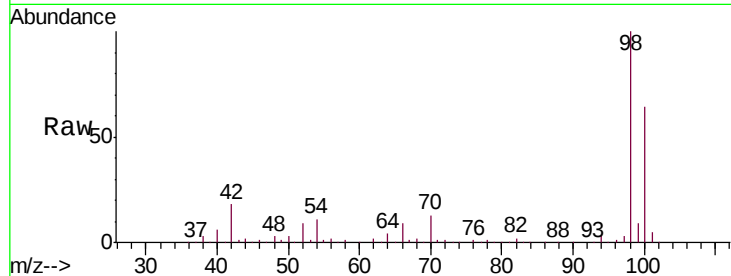
T12-F3-(0)

Tgt Ion: 98 Resp: 538771

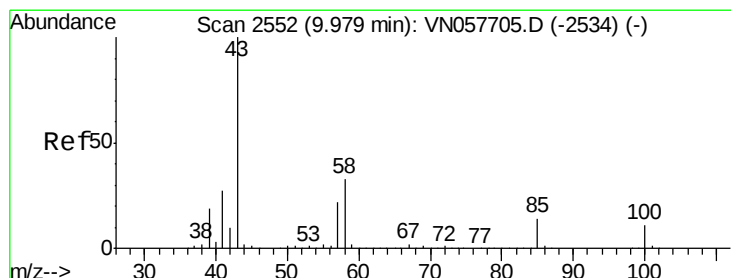
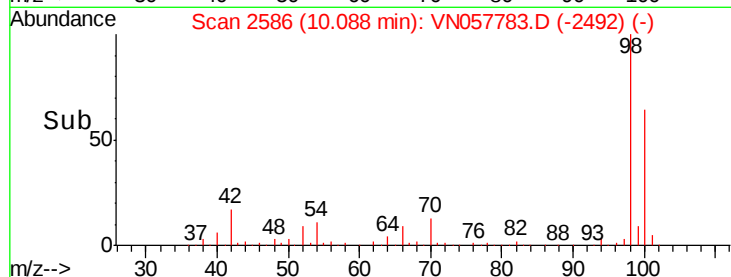
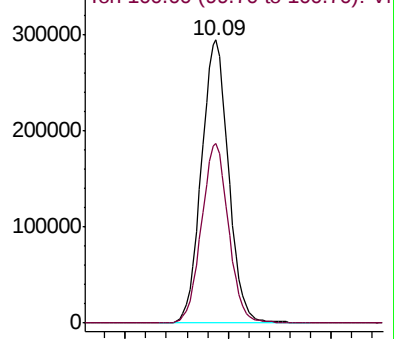
Ion Ratio Lower Upper

98 100

100 63.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN057705.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.855 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN057783.D

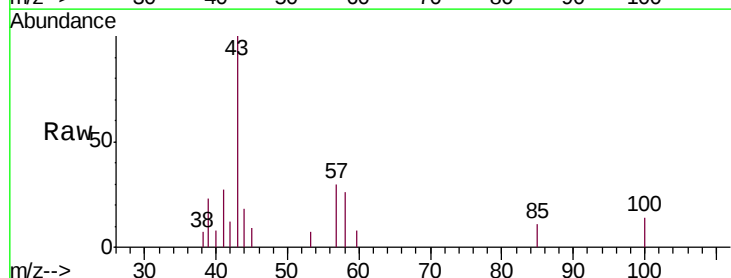
Acq: 8 Sep 2019 3:13

Tgt Ion: 43 Resp: 3697

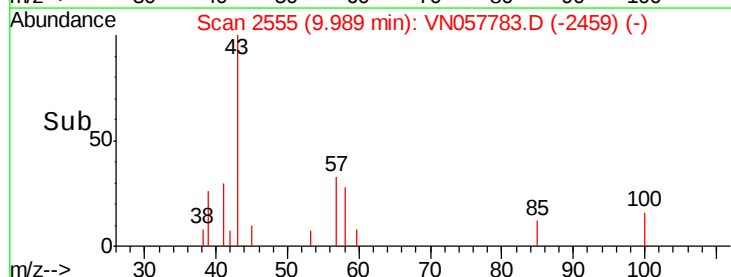
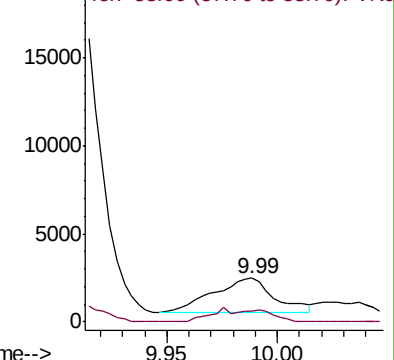
Ion Ratio Lower Upper

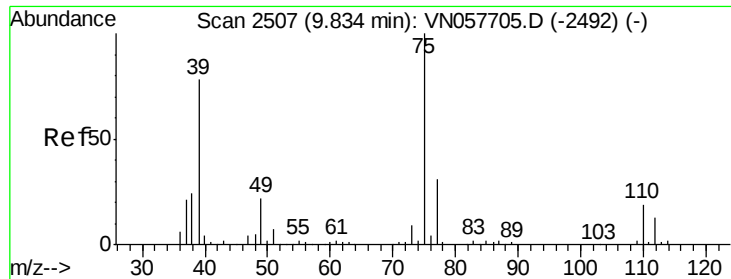
43 100

58 17.4 25.8 38.8#



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



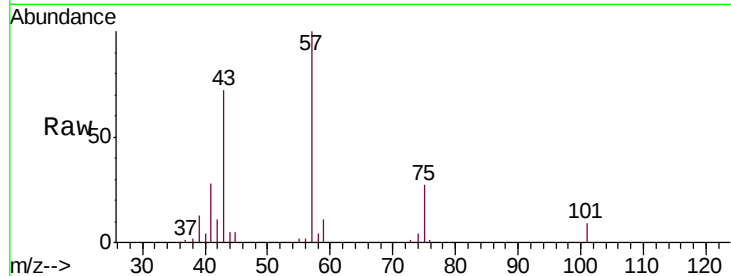


#54

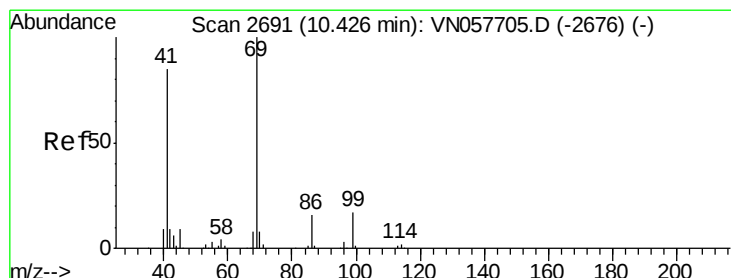
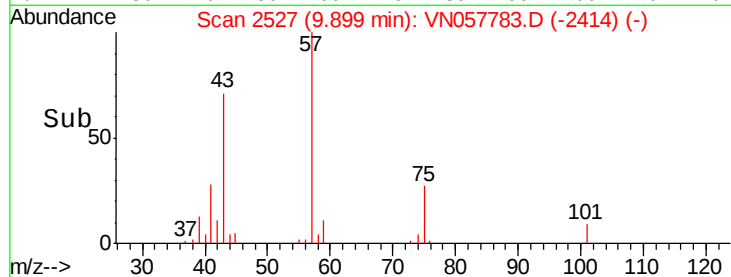
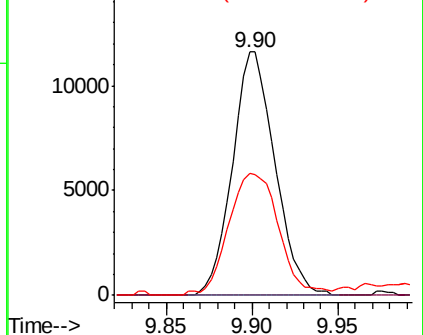
cis-1,3-Dichloropropene
 Concen: 4.182 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN057783.D
 Acq: 8 Sep 2019 3:13

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-F3-(0)

Tgt Ion: 75 Resp: 19968
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 48.6 62.4 93.6#



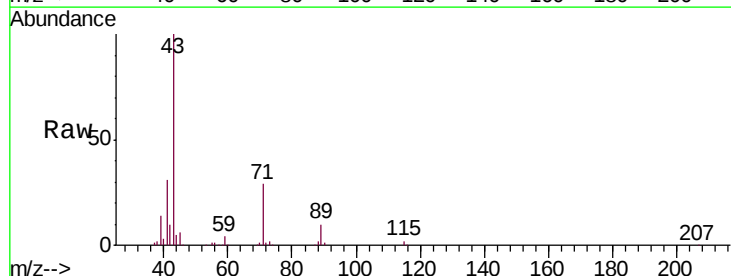
Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO



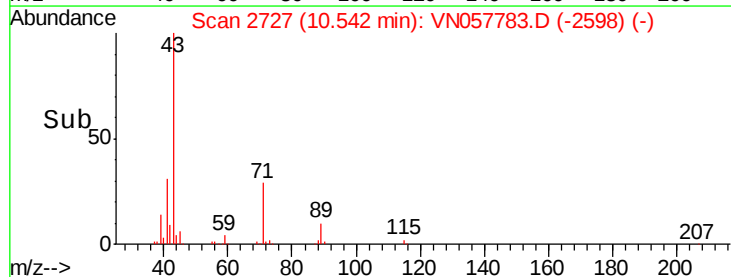
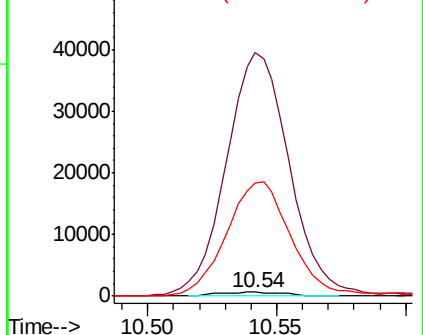
#56

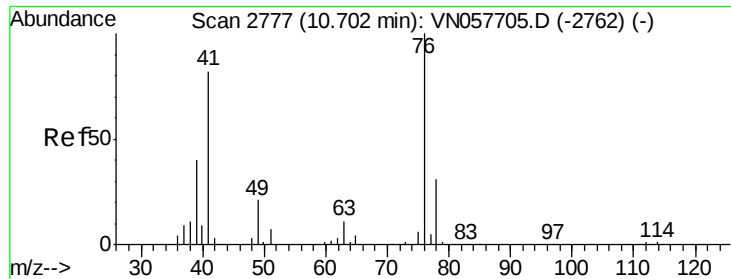
Ethyl methacrylate
 Concen: 0.253 ug/l
 RT: 10.54 min Scan# 2727
 Delta R.T. 0.12 min
 Lab File: VN057783.D
 Acq: 8 Sep 2019 3:13

Tgt Ion: 69 Resp: 1137
 Ion Ratio Lower Upper
 69 100
 41 5974.3 69.0 103.4#
 39 2847.1 49.2 73.8#



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

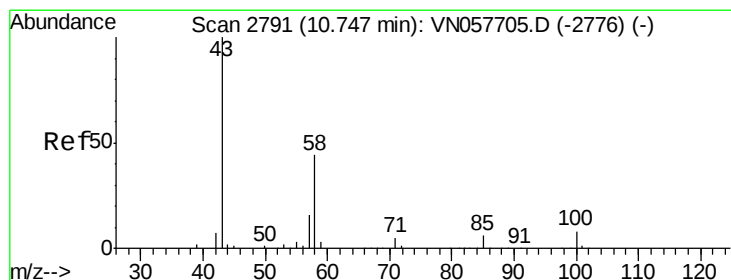
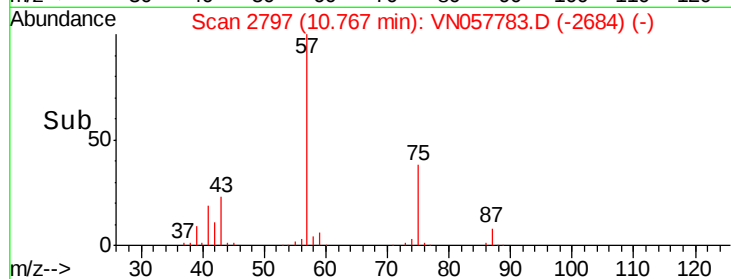
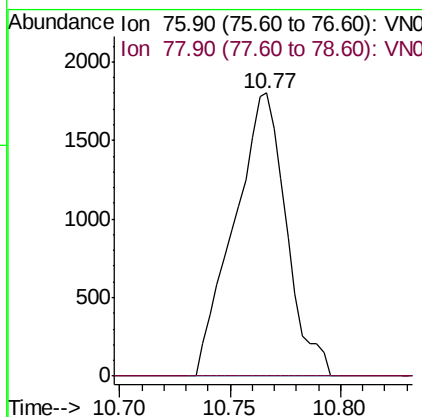
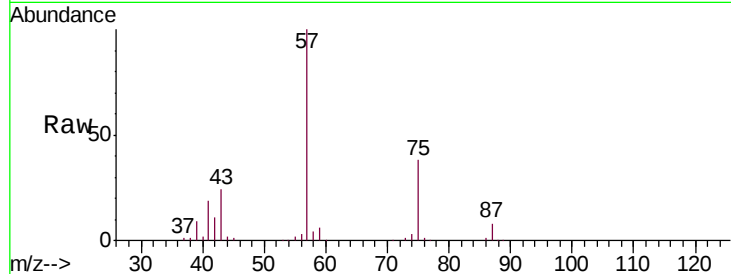




#57
 1,3-Dichloropropane
 Concen: 0.585 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN057783.D
 Acq: 8 Sep 2019 3:13

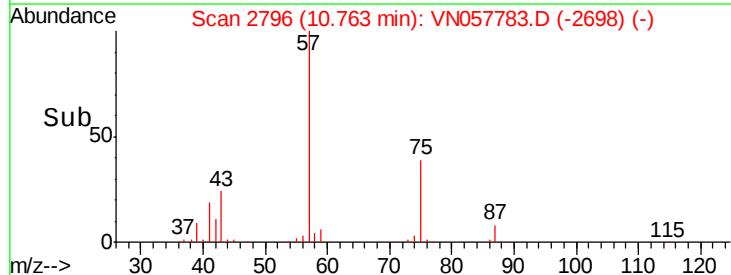
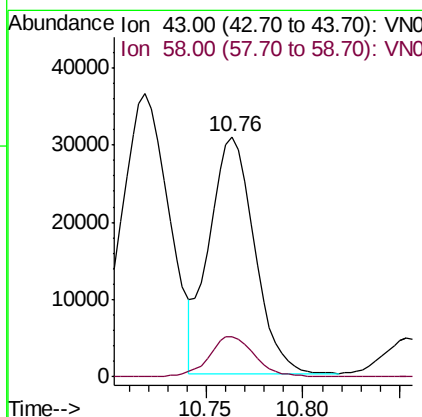
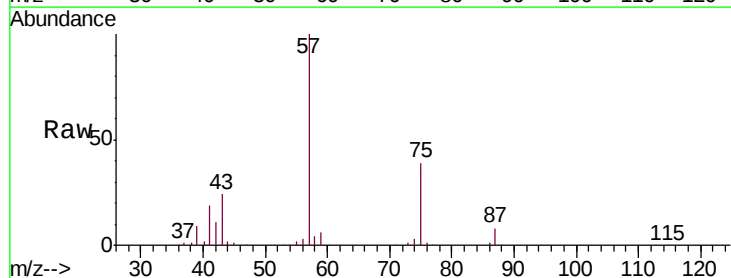
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-F3-(0)

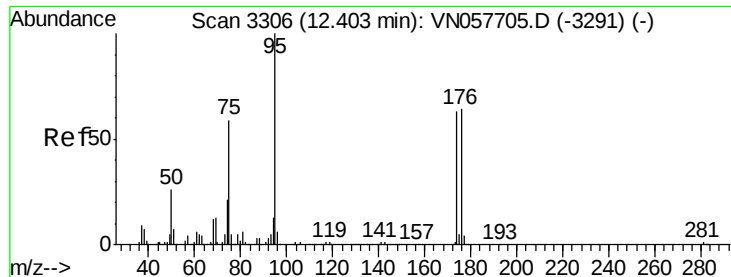
Tgt Ion: 76 Resp: 2962
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 16.390 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.02 min
 Lab File: VN057783.D
 Acq: 8 Sep 2019 3:13

Tgt Ion: 43 Resp: 49964
 Ion Ratio Lower Upper
 43 100
 58 17.2 22.1 66.5#

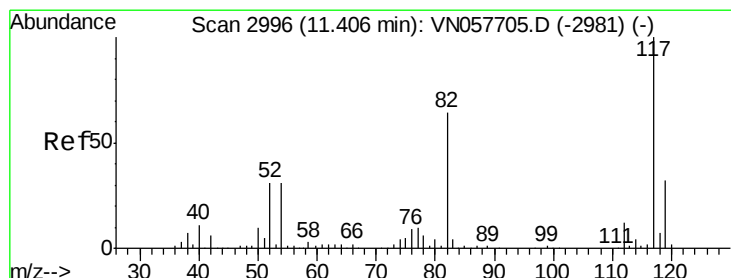
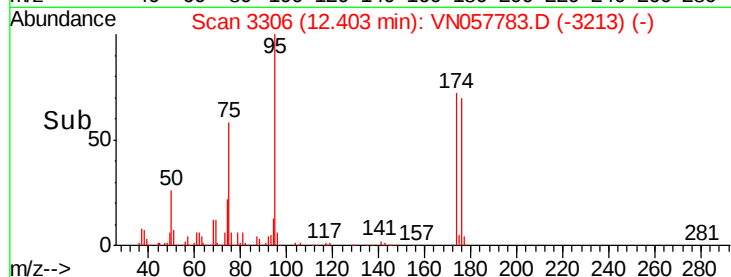
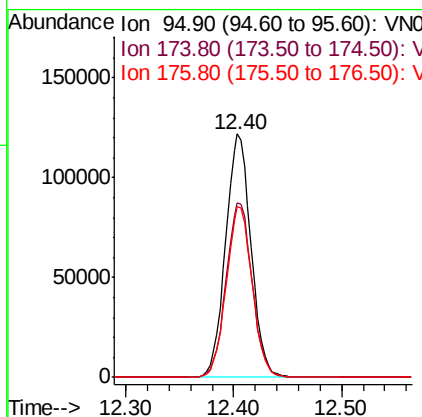
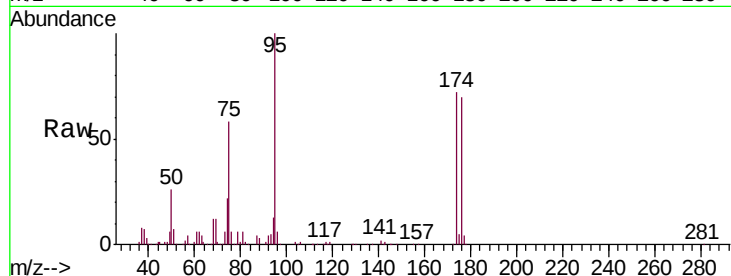




#62
 4-Bromofluorobenzene
 Concen: 46.561 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057783.D
 Acq: 8 Sep 2019 3:13

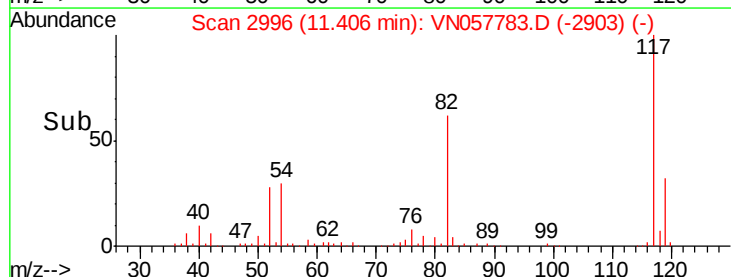
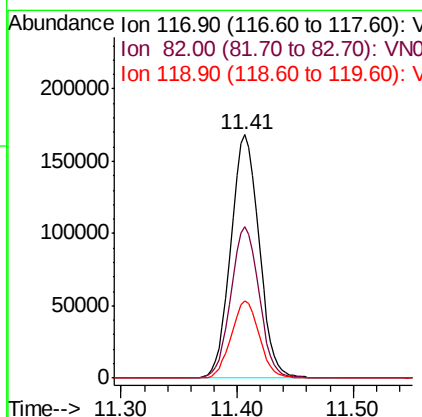
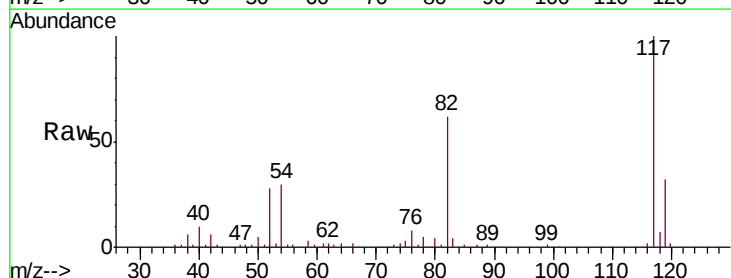
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-F3-(0)

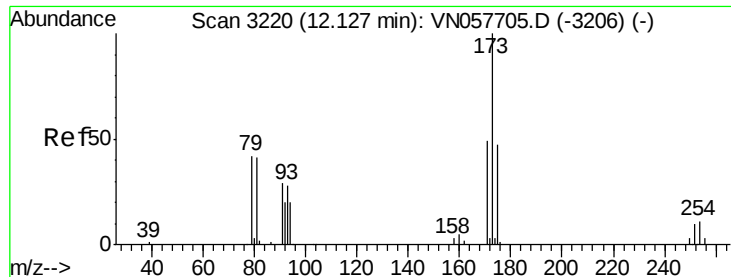
Tgt Ion: 95 Resp: 200085
 Ion Ratio Lower Upper
 95 100
 174 73.5 0.0 128.0
 176 71.2 0.0 128.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN057783.D
 Acq: 8 Sep 2019 3:13

Tgt Ion: 117 Resp: 283534
 Ion Ratio Lower Upper
 117 100
 82 62.1 51.4 77.0
 119 32.0 25.4 38.2





#71

Bromoform

Concen: 3.607 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN057783.D

Acq: 8 Sep 2019 3:13

Instrument :

MSVOA_N

ClientSampled :

T12-F3-(0)

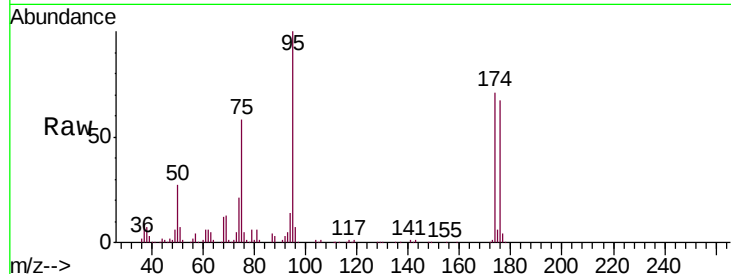
Tgt Ion:173 Resp: 751

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.8#

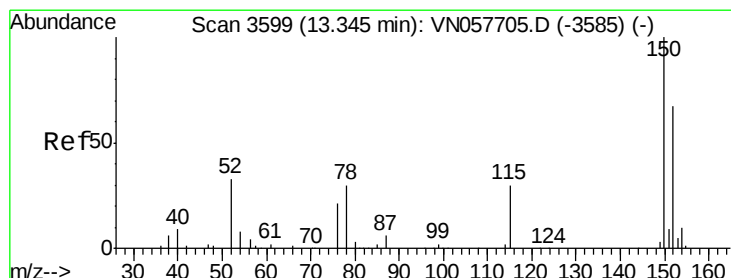
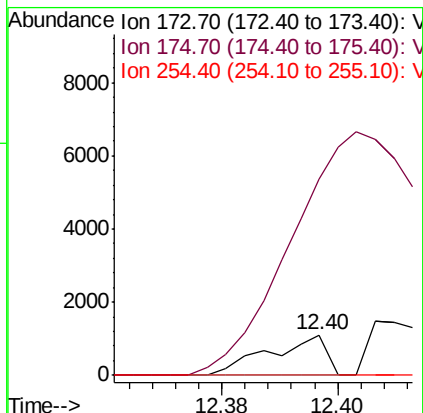
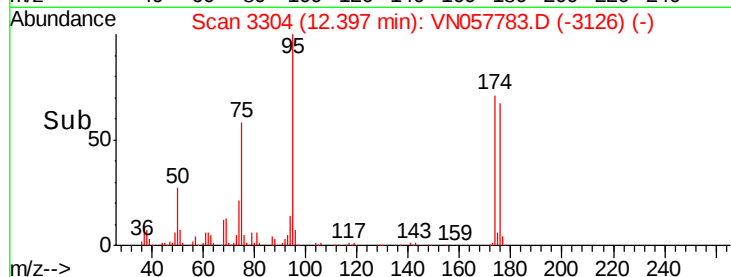
254 0.0 0.0 0.0



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: VN057783.D

Acq: 8 Sep 2019 3:13

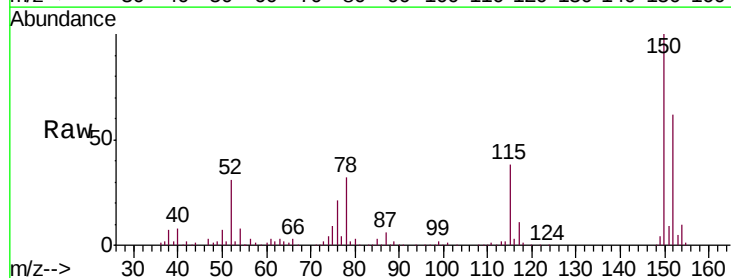
Tgt Ion:152 Resp: 145411

Ion Ratio Lower Upper

152 100

115 64.1 33.8 101.3

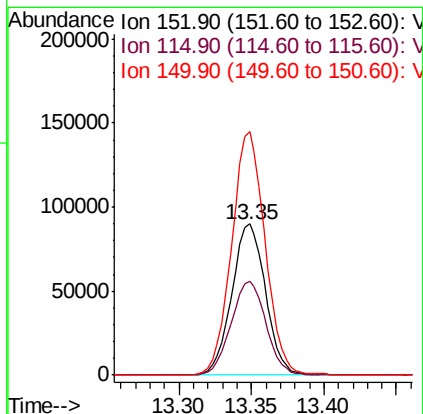
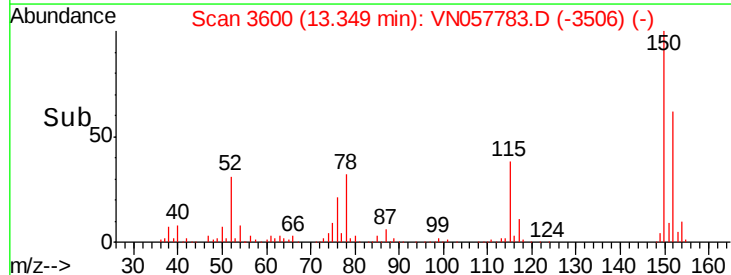
150 159.6 0.0 345.4

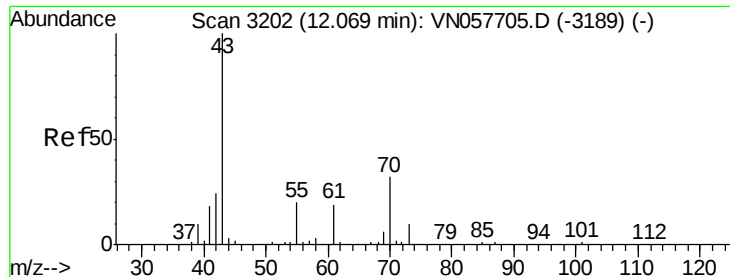


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

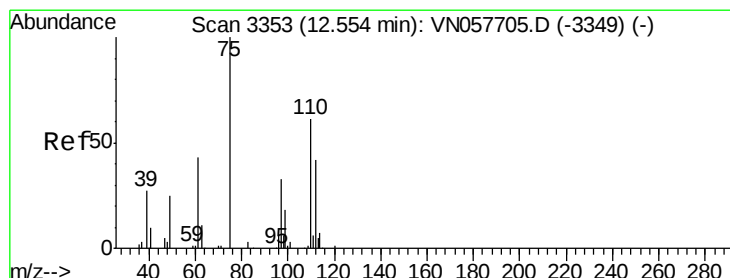
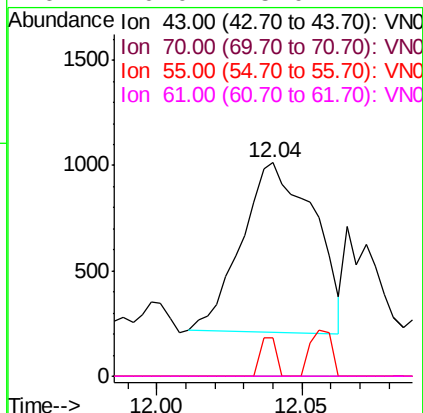
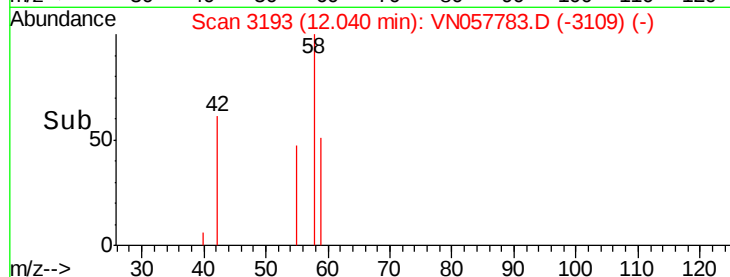
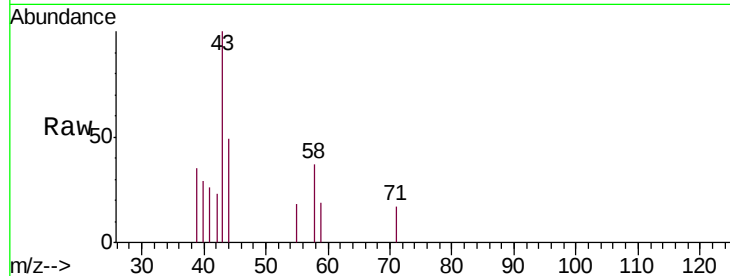




#74
N-ethyl acetate
Concen: 0.216 ug/l
RT: 12.04 min Scan# 3193
Delta R.T. -0.03 min
Lab File: VN057783.D
Acq: 8 Sep 2019 3:13

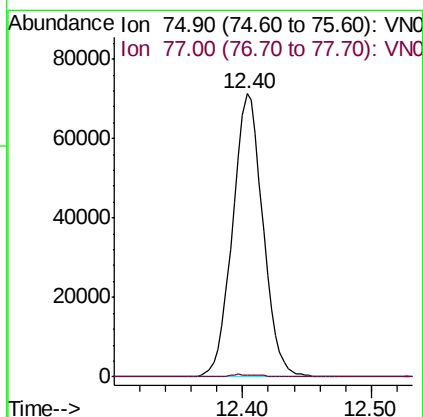
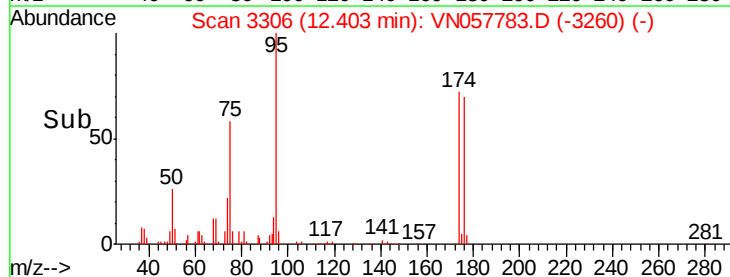
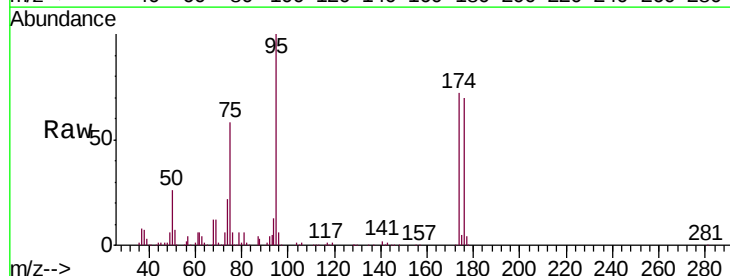
Instrument :
MSVOA_N
ClientSampleId :
T12-F3-(0)

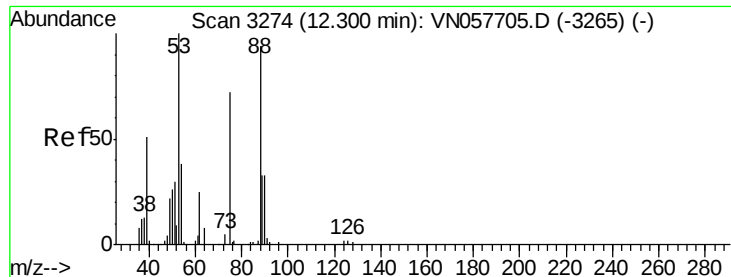
Tgt Ion: 43 Resp: 1385
Ion Ratio Lower Upper
43 100
70 0.0 26.1 39.1#
55 5.1 16.3 24.5#
61 0.0 15.0 22.4#



#76
1,2,3-Trichloropropane
Concen: 34.887 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN057783.D
Acq: 8 Sep 2019 3:13

Tgt Ion: 75 Resp: 116495
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 108.500 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057783.D

Acq: 8 Sep 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

T12-F3-(0)

Tgt Ion: 75 Resp: 116495

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

89 0.0 36.5 54.7#

