

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090619\
 Data File : VN057735.D
 Acq On : 6 Sep 2019 23:44
 Operator : JC/SP
 Sample : K4580-35
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-A1-(0)

Quant Time: Sep 07 00:12:34 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	193077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	326454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	302618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	152445	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	243382	51.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.64%		
35) Dibromofluoromethane	7.57	113	143815	48.37	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.74%		
50) Toluene-d8	10.09	98	541467	49.23	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.46%		
62) 4-Bromofluorobenzene	12.40	95	206467	45.19	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.38%		

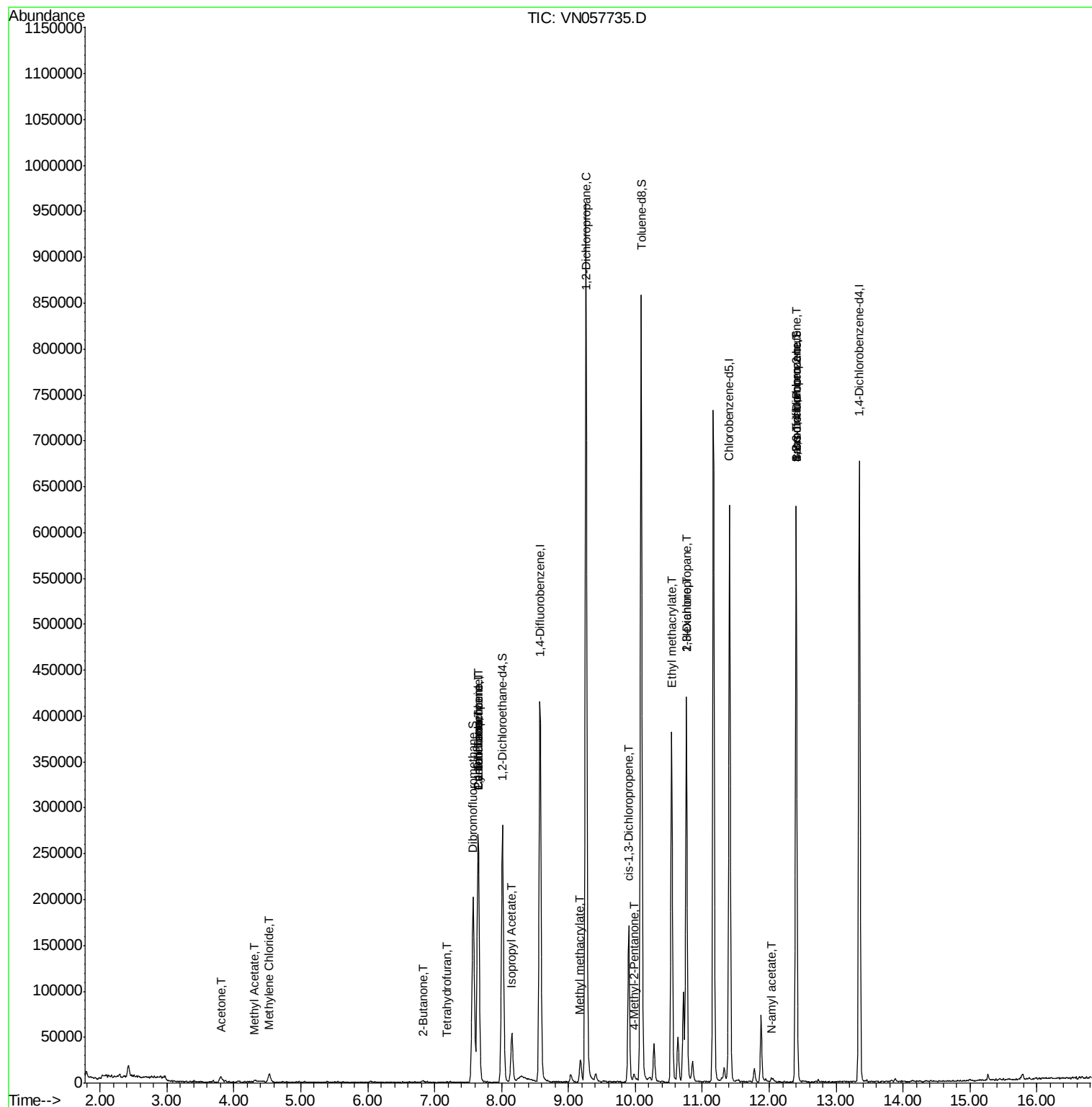
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1239	Below Cal	#	77
16) Acetone	3.81	43	8831	6.110	ug/l #	82
18) Methyl Acetate	4.31	43	2473	0.629	ug/l #	87
20) Methylene Chloride	4.52	84	2318	0.742	ug/l #	87
25) 2-Butanone	6.83	43	1667	0.805	ug/l	99
29) Tetrahydrofuran	7.19	42	355	0.266	ug/l #	40
31) Cyclohexane	7.65	56	6437	1.221	ug/l #	45
36) 1,1-Dichloropropene	7.65	75	18793	4.327	ug/l #	50
38) Carbon Tetrachloride	7.65	117	22825	5.489	ug/l #	15
43) Isopropyl Acetate	8.15	43	65200	7.878	ug/l	99
45) 1,2-Dichloropropane	9.26	63	1109	0.323	ug/l #	44
48) Methyl methacrylate	9.17	41	4621	1.086	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	5918	1.288	ug/l	93
54) cis-1,3-Dichloropropene	9.90	75	26503	5.221	ug/l #	62
56) Ethyl methacrylate	10.55	69	1235	0.258	ug/l #	1
57) 1,3-Dichloropropane	10.77	76	4169	0.775	ug/l #	43
59) 2-Hexanone	10.76	43	71455	22.048	ug/l #	58
71) Bromoform	12.41	173	539	3.488	ug/l #	1
74) N-amyl acetate	12.03	43	2565	0.381	ug/l #	55
76) 1,2,3-Trichloropropane	12.40	75	118950	33.979	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	118950	105.675	ug/l #	1

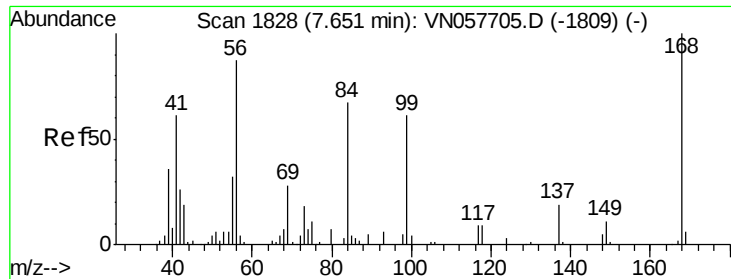
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN090619\
Data File : VN057735.D
Acq On : 6 Sep 2019 23:44
Operator : JC/SP
Sample : K4580-35
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-A1-(0)

Quant Time: Sep 07 00:12:34 2019
Quant Method : Z:\V0ASRV\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: VN057735.D

Acq: 6 Sep 2019 23:44

Instrument :

MSVOA_N

ClientSampleId :

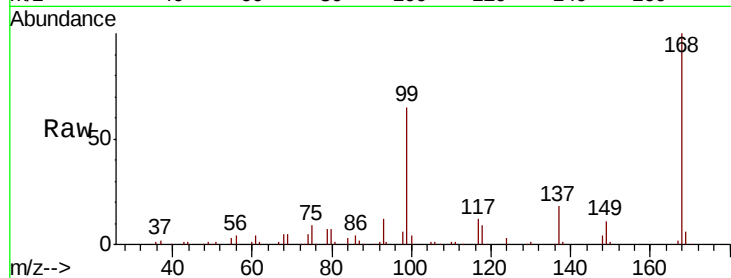
T12-A1-(0)

Tgt Ion:168 Resp: 193077

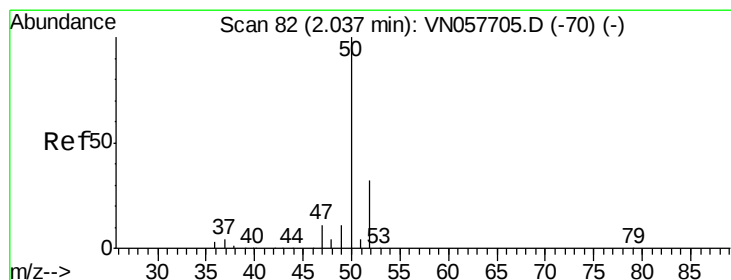
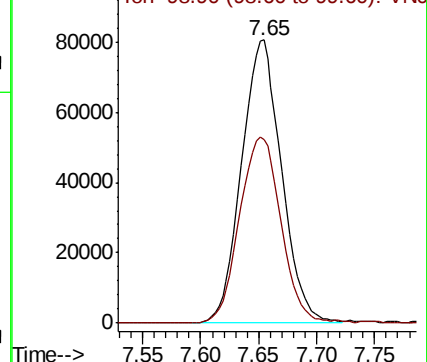
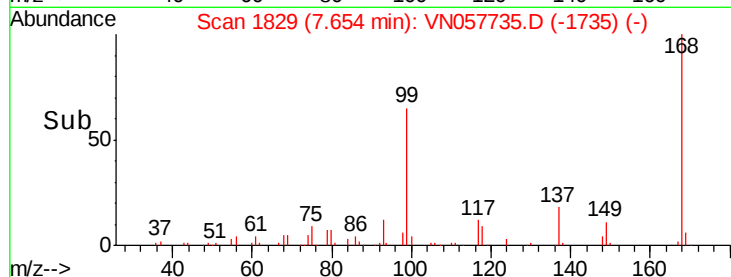
Ion Ratio Lower Upper

168 100

99 65.0 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): VN057735.D (-1735) (-)



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057735.D

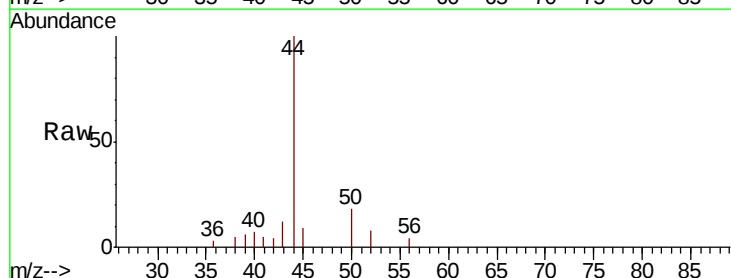
Acq: 6 Sep 2019 23:44

Tgt Ion: 50 Resp: 1239

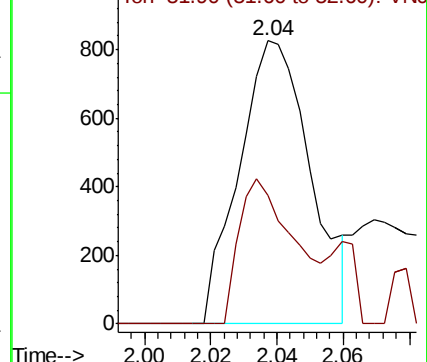
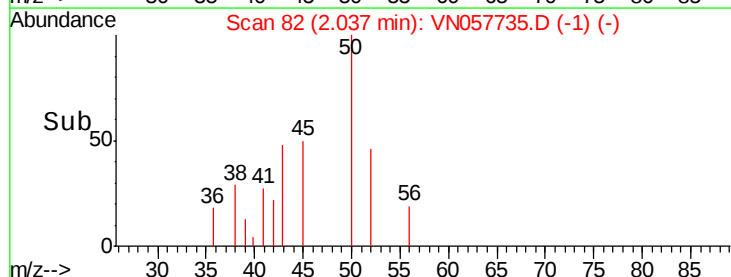
Ion Ratio Lower Upper

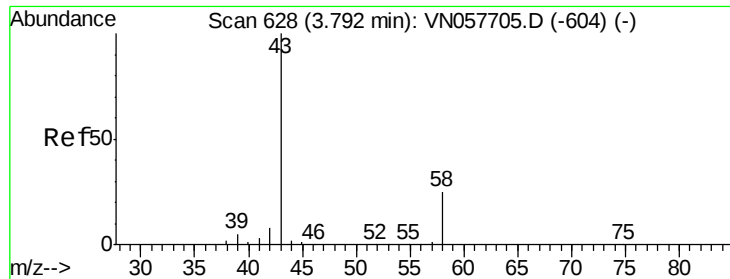
50 100

52 45.5 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN057735.D (-1) (-)

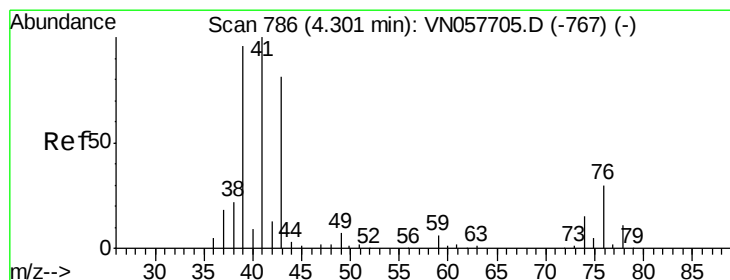
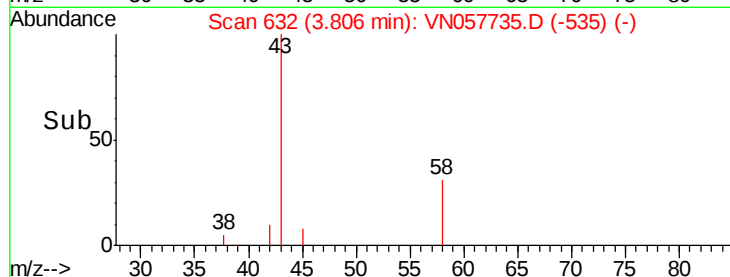
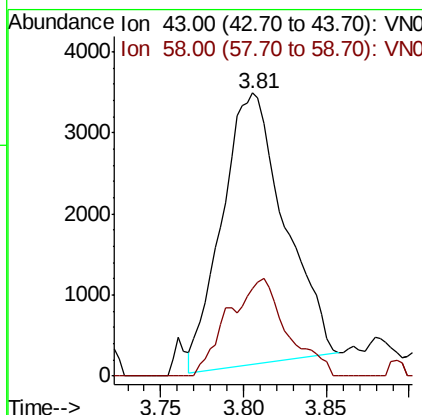
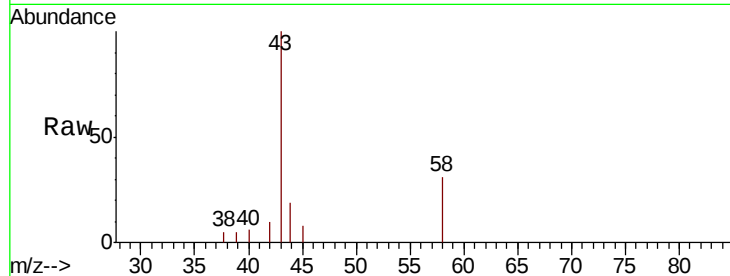




#16
 Acetone
 Concen: 6.110 ug/l
 RT: 3.81 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: VN057735.D
 Acq: 6 Sep 2019 23:44

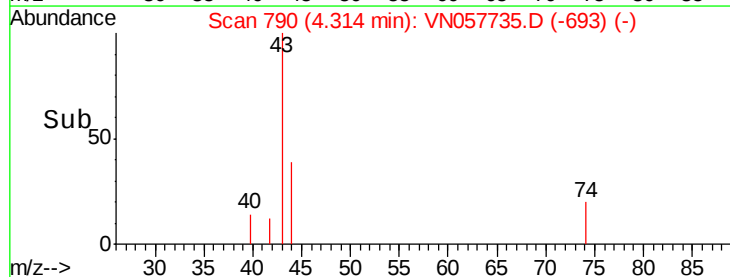
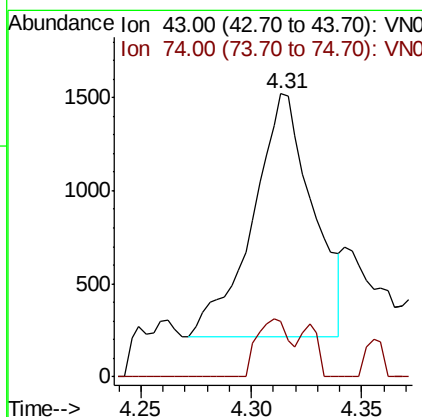
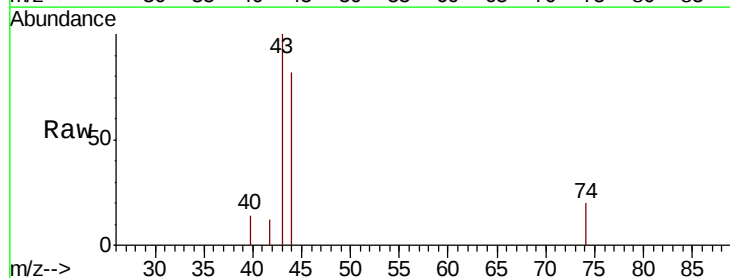
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-A1-(0)

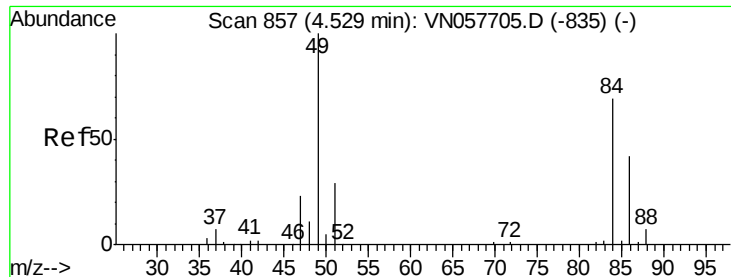
Tgt Ion: 43 Resp: 8831
 Ion Ratio Lower Upper
 43 100
 58 33.6 19.8 29.8#



#18
 Methyl Acetate
 Concen: 0.629 ug/l
 RT: 4.31 min Scan# 790
 Delta R.T. 0.01 min
 Lab File: VN057735.D
 Acq: 6 Sep 2019 23:44

Tgt Ion: 43 Resp: 2473
 Ion Ratio Lower Upper
 43 100
 74 13.1 15.3 22.9#

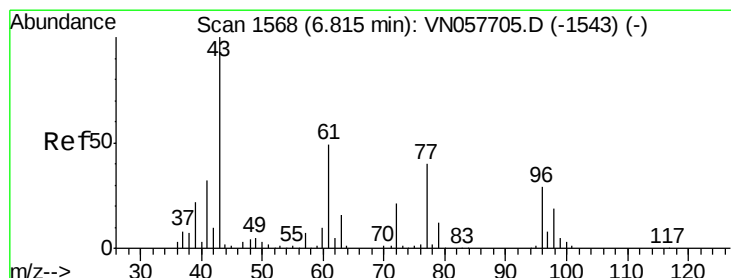
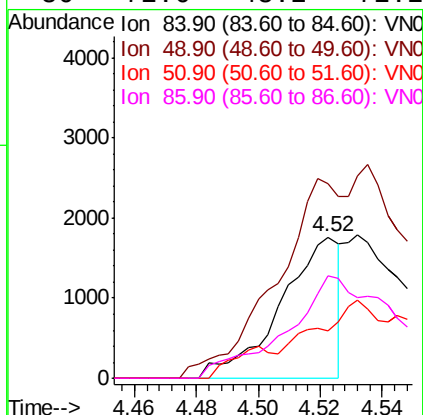
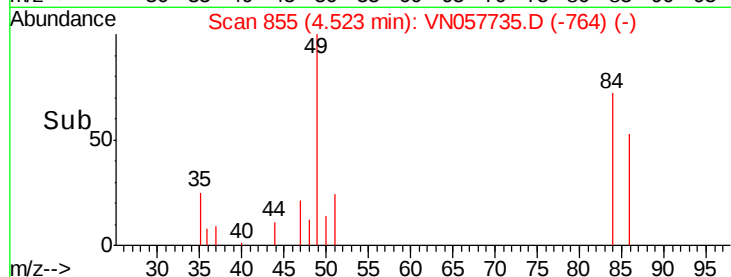
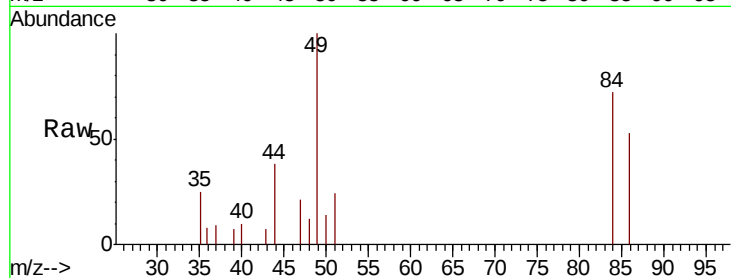




#20
Methylene Chloride
Concen: 0.742 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN057735.D
Acq: 6 Sep 2019 23:44

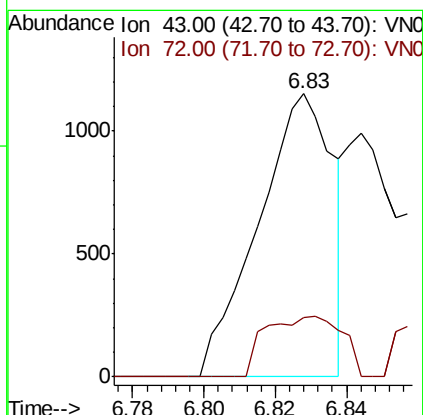
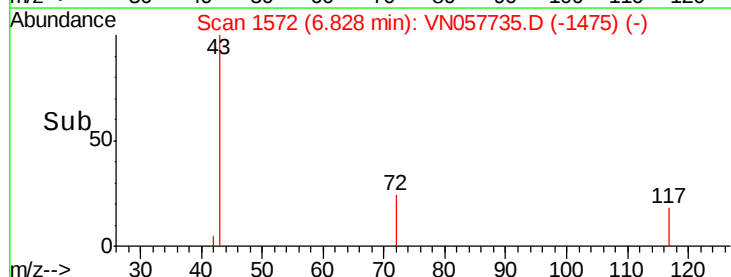
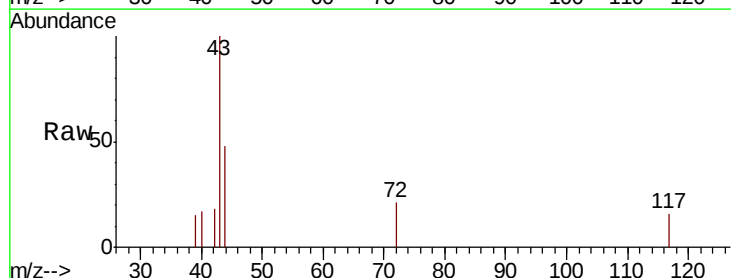
Instrument :
MSVOA_N
ClientSampleId :
T12-A1-(0)

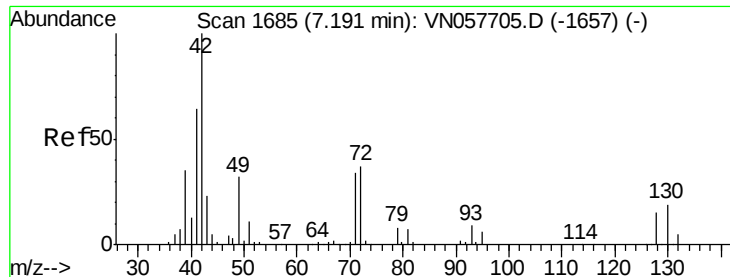
Tgt Ion: 84 Resp: 2318
Ion Ratio Lower Upper
84 100
49 129.4 115.0 172.6
51 33.5 33.8 50.8#
86 72.6 48.2 72.2#



#25
2-Butanone
Concen: 0.805 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN057735.D
Acq: 6 Sep 2019 23:44

Tgt Ion: 43 Resp: 1667
Ion Ratio Lower Upper
43 100
72 20.7 17.0 25.6





#29

Tetrahydrofuran

Concen: 0.266 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN057735.D

Acq: 6 Sep 2019 23:44

Instrument :

MSVOA_N

ClientSampleId :

T12-A1-(0)

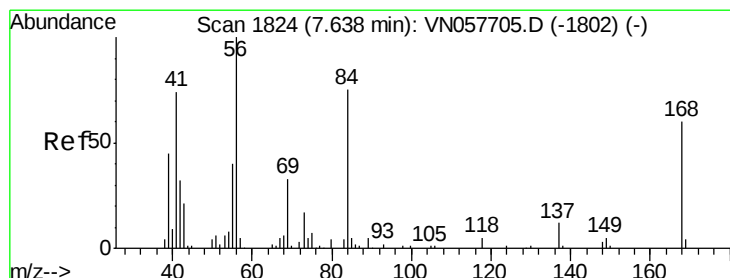
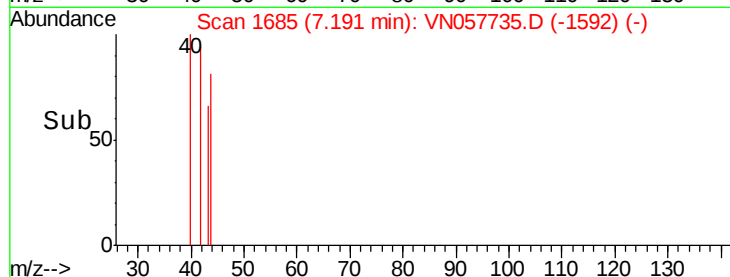
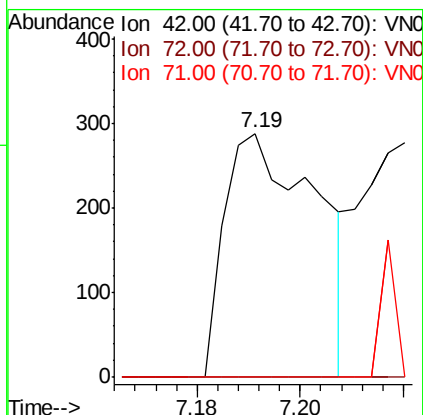
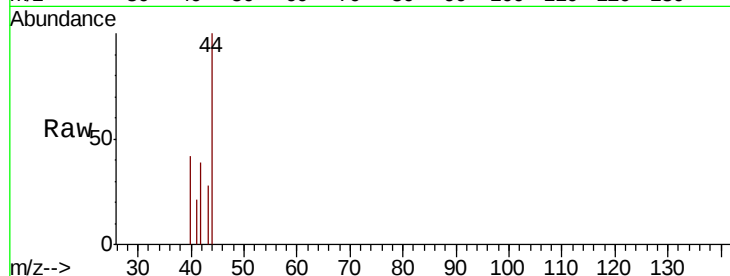
Tgt Ion: 42 Resp: 355

Ion Ratio Lower Upper

42 100

72 0.0 29.2 43.8#

71 0.0 27.0 40.4#



#31

Cyclohexane

Concen: 1.221 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN057735.D

Acq: 6 Sep 2019 23:44

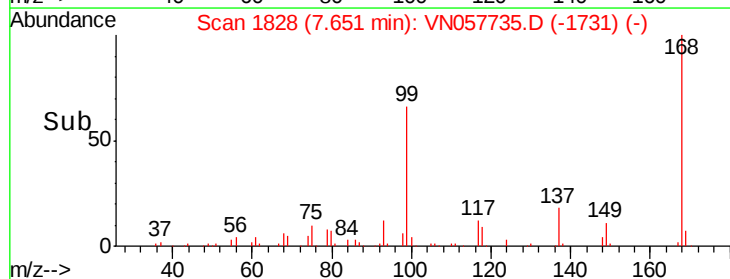
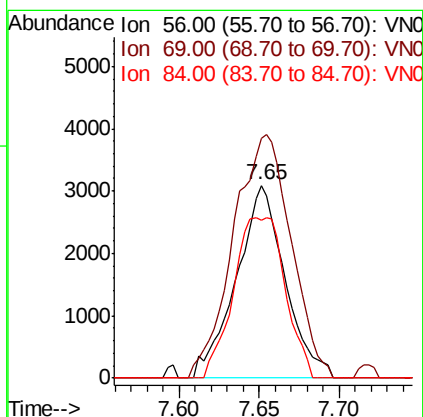
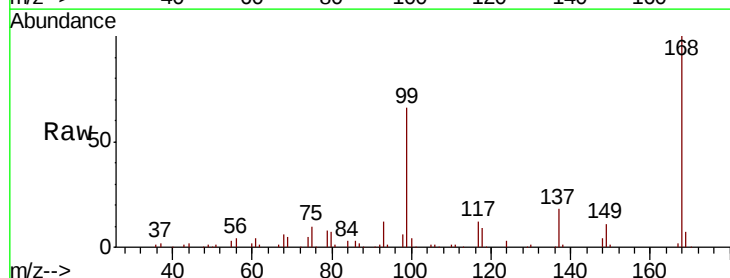
Tgt Ion: 56 Resp: 6437

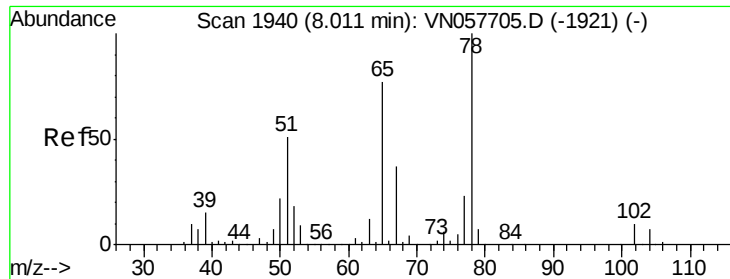
Ion Ratio Lower Upper

56 100

69 124.5 26.2 39.2#

84 81.7 59.8 89.8

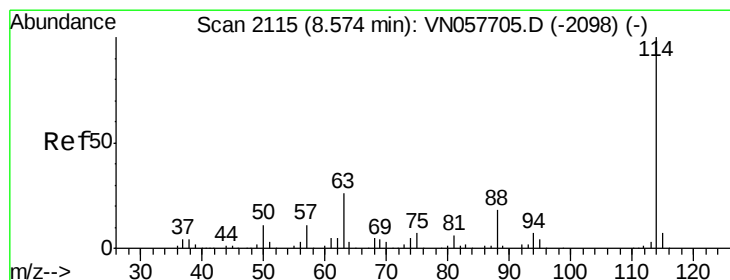
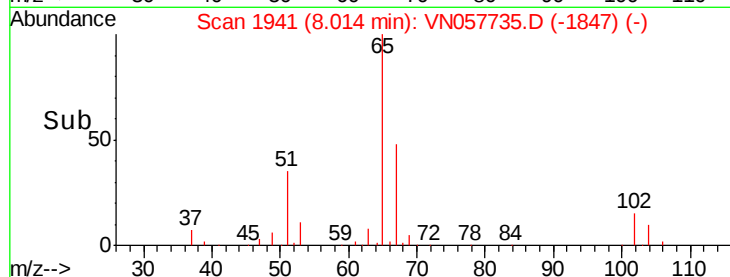
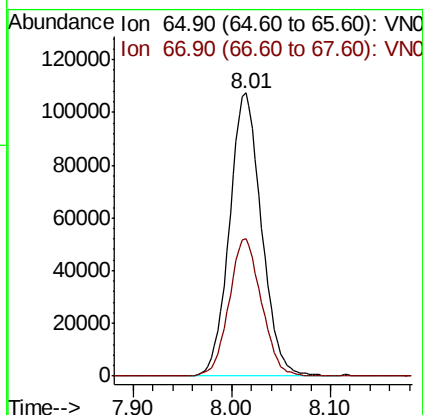
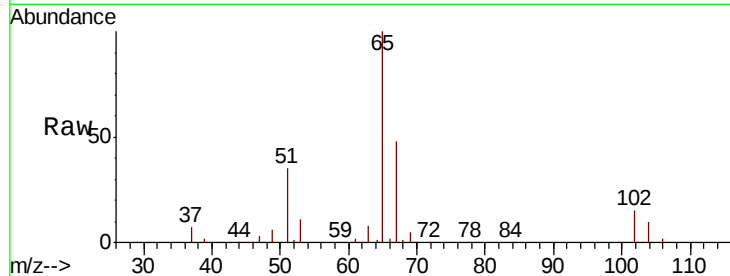




#33
 1,2-Dichloroethane-d4
 Concen: 51.817 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057735.D
 Acq: 6 Sep 2019 23:44

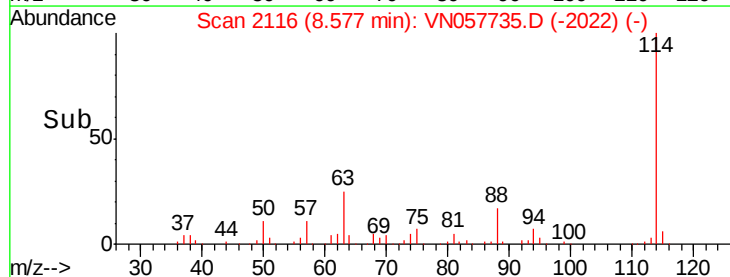
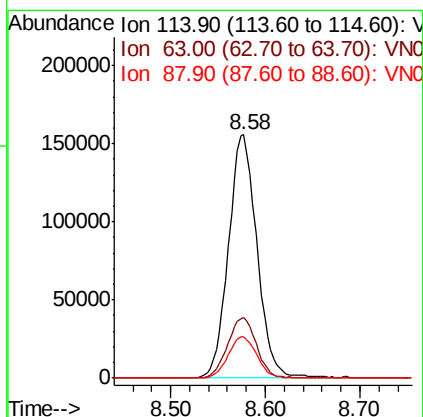
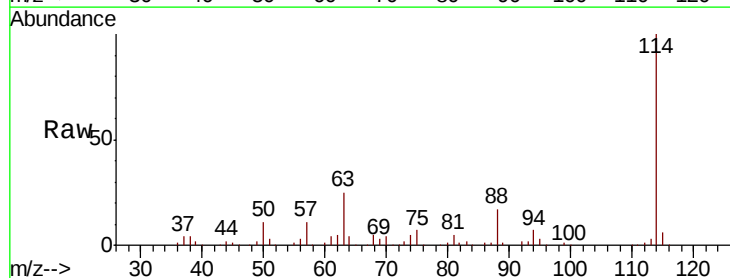
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-A1-(0)

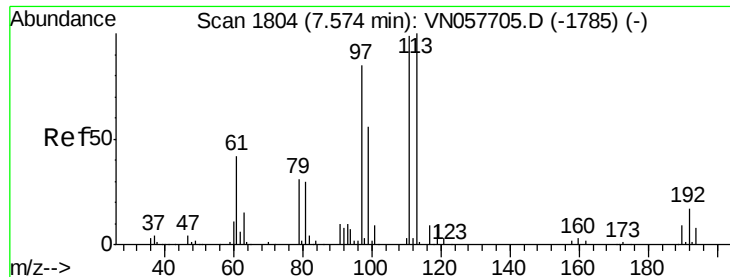
Tgt Ion: 65 Resp: 243382
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057735.D
 Acq: 6 Sep 2019 23:44

Tgt Ion: 114 Resp: 326454
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 52.4
 88 16.8 0.0 35.4

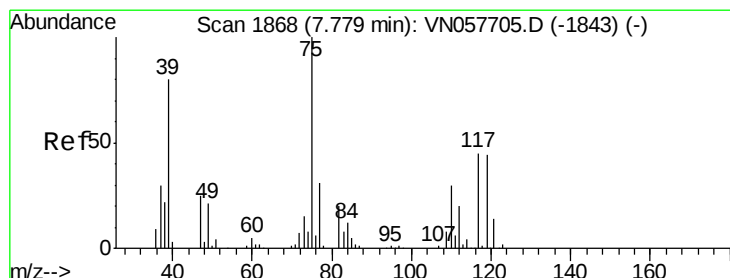
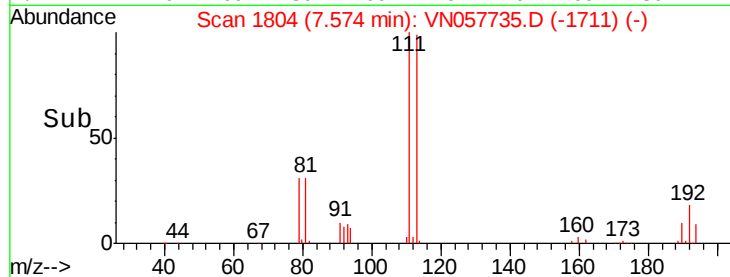
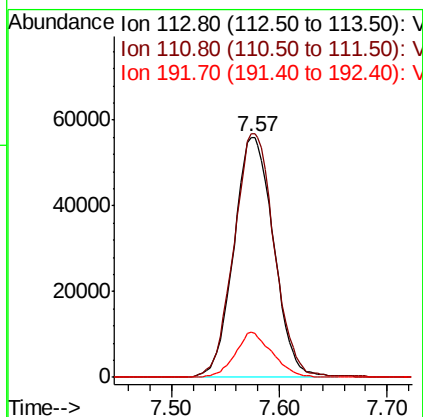
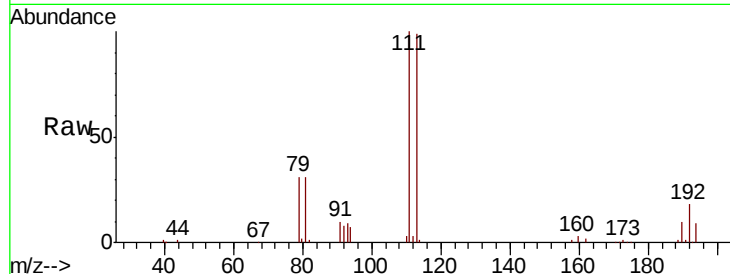




#35
 Dibromofluoromethane
 Concen: 48.366 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057735.D
 Acq: 6 Sep 2019 23:44

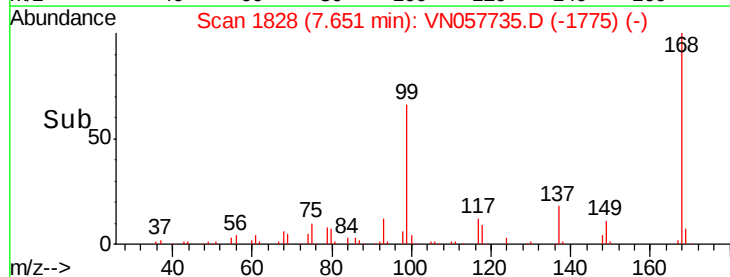
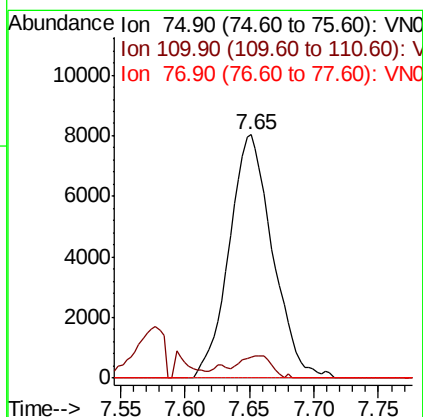
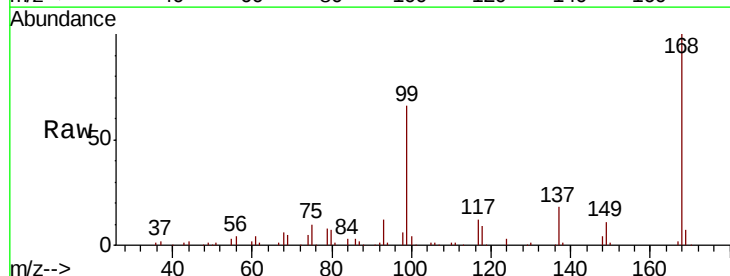
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-A1-(0)

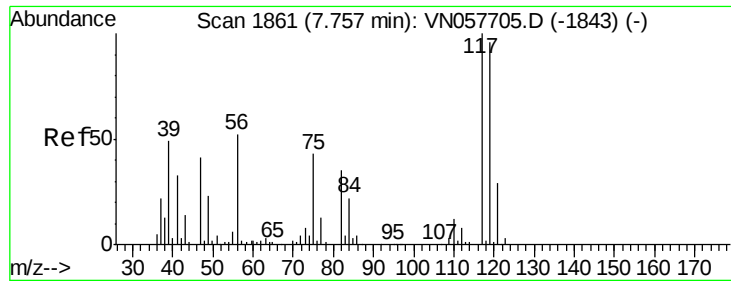
Tgt Ion: 113 Resp: 143815
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.7 124.1
 192 17.5 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 4.327 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057735.D
 Acq: 6 Sep 2019 23:44

Tgt Ion: 75 Resp: 18793
 Ion Ratio Lower Upper
 75 100
 110 6.8 15.0 45.0#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.489 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN057735.D

Acq: 6 Sep 2019 23:44

Instrument :

MSVOA_N

ClientSampled :

T12-A1-(0)

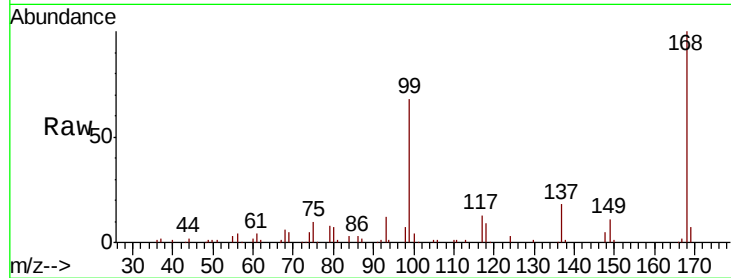
Tgt Ion:117 Resp: 22825

Ion Ratio Lower Upper

117 100

119 3.0 76.1 114.1#

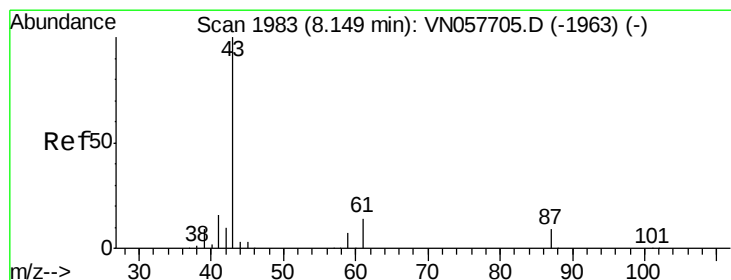
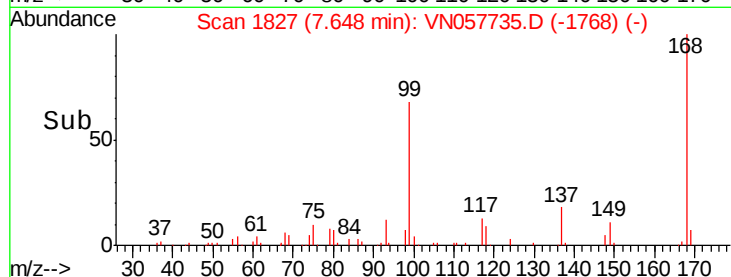
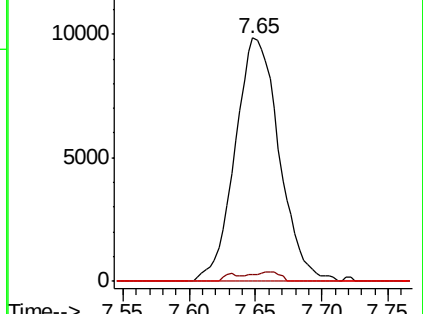
121 0.0 23.4 35.2#



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: 7.878 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057735.D

Acq: 6 Sep 2019 23:44

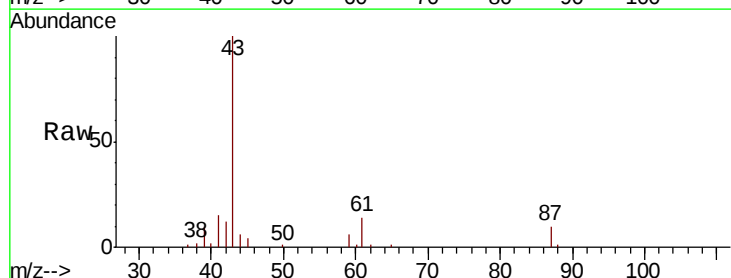
Tgt Ion: 43 Resp: 65200

Ion Ratio Lower Upper

43 100

61 16.4 12.8 19.2

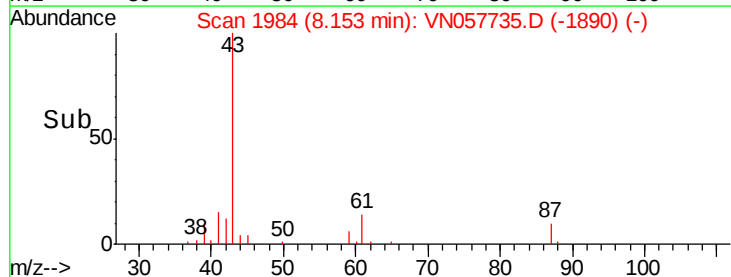
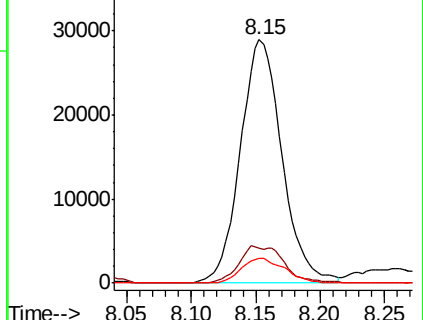
87 10.6 7.8 11.8

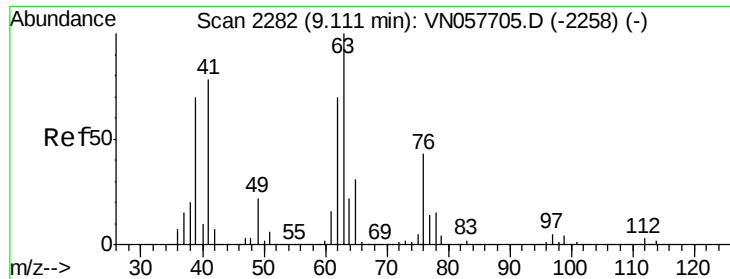


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

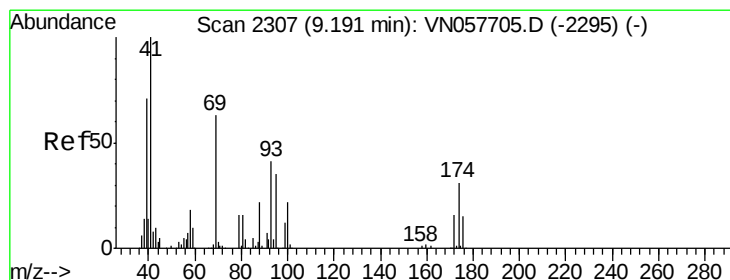
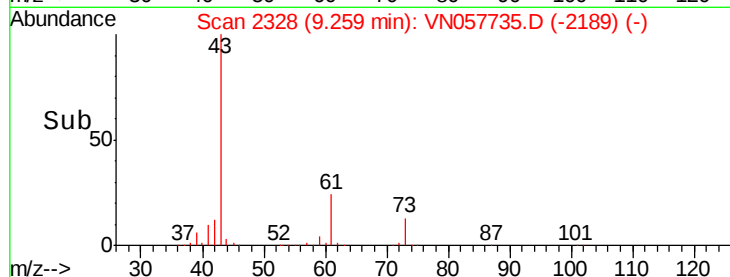
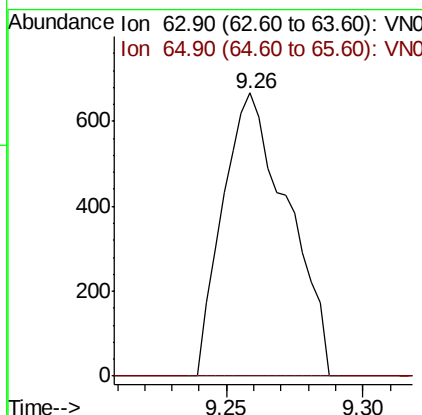
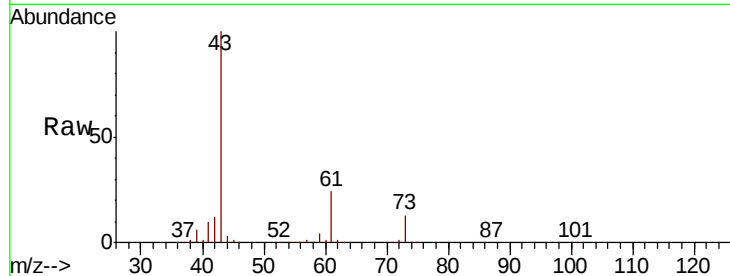




#45
 1,2-Dichloropropane
 Concen: 0.323 ug/l
 RT: 9.26 min Scan# 2328
 Delta R.T. 0.15 min
 Lab File: VN057735.D
 Acq: 6 Sep 2019 23:44

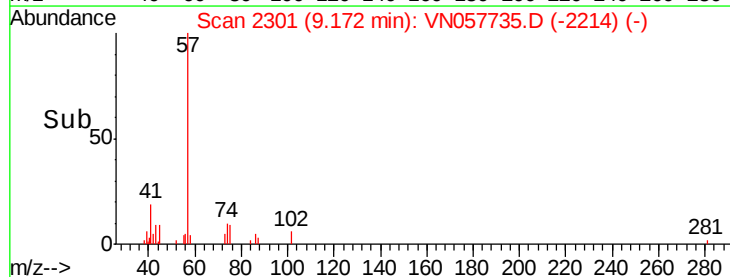
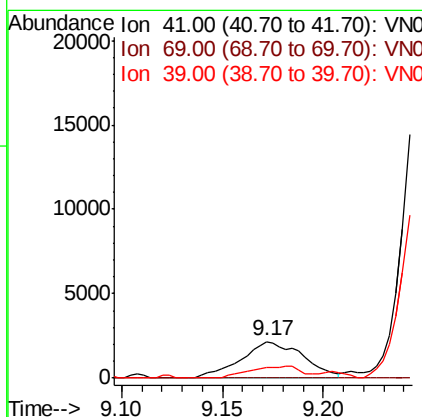
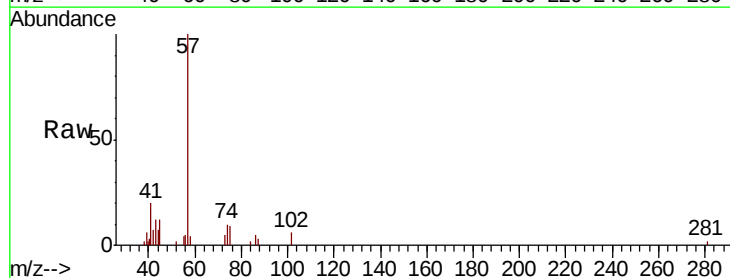
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-A1-(0)

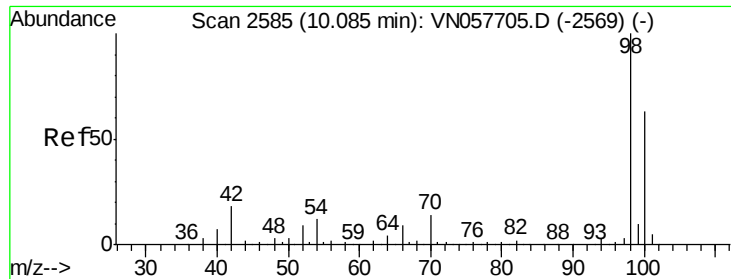
Tgt Ion: 63 Resp: 1109
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.5 36.7#



#48
 Methyl methacrylate
 Concen: 1.086 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.02 min
 Lab File: VN057735.D
 Acq: 6 Sep 2019 23:44

Tgt Ion: 41 Resp: 4621
 Ion Ratio Lower Upper
 41 100
 69 0.0 51.2 76.8#
 39 0.0 57.3 85.9#





#50

Toluene-d8

Concen: 49.226 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057735.D

Acq: 6 Sep 2019 23:44

Instrument :

MSVOA_N

ClientSampleId :

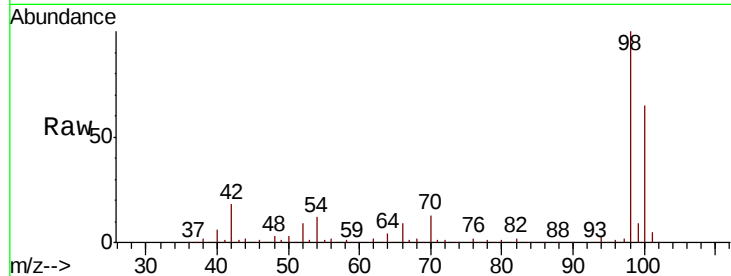
T12-A1-(0)

Tgt Ion: 98 Resp: 541467

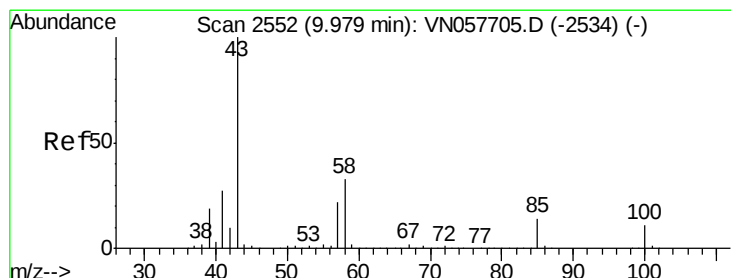
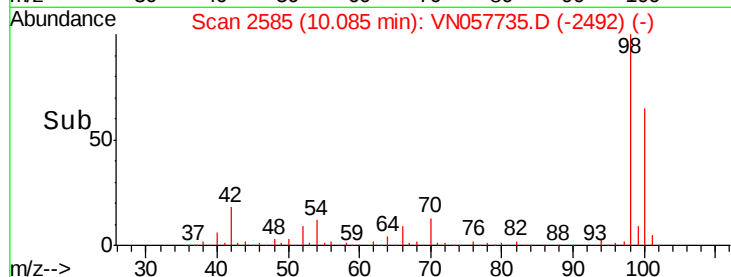
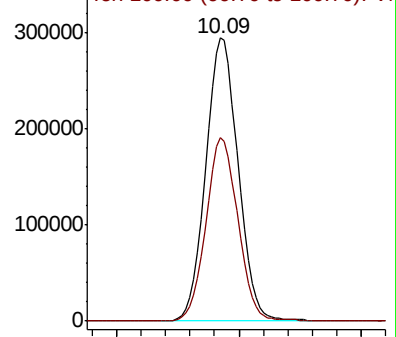
Ion Ratio Lower Upper

98 100

100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN057735.D (-2492) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.288 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057735.D

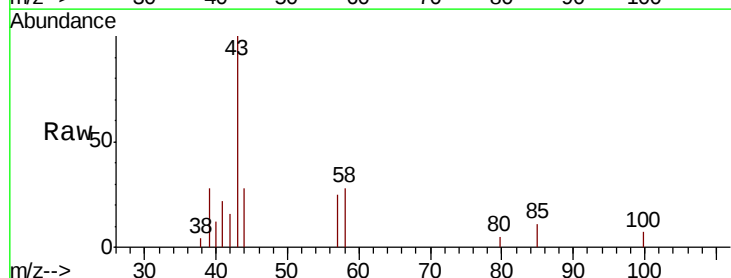
Acq: 6 Sep 2019 23:44

Tgt Ion: 43 Resp: 5918

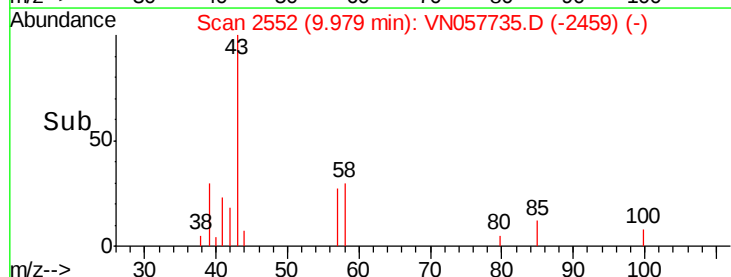
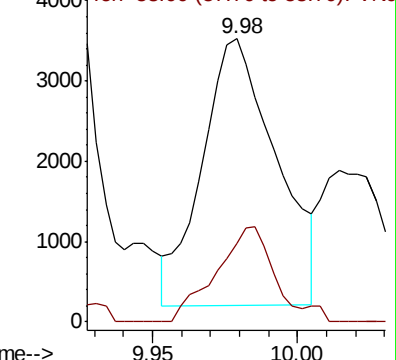
Ion Ratio Lower Upper

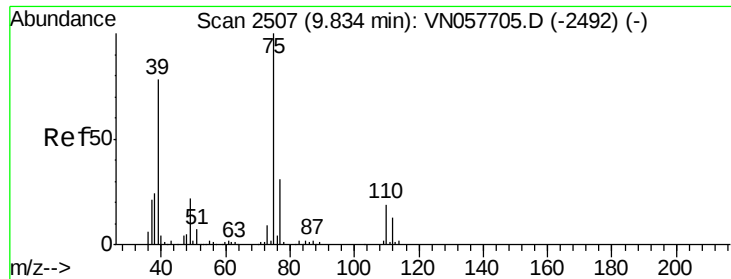
43 100

58 28.6 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN057735.D (-2459) (-)

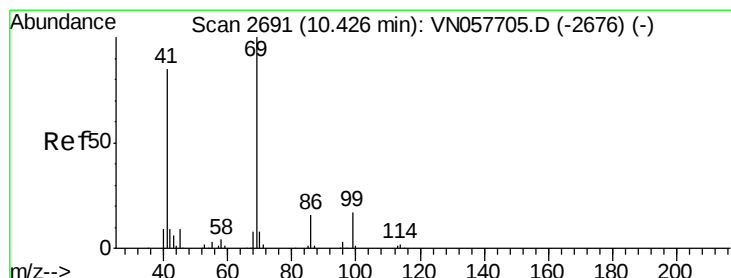
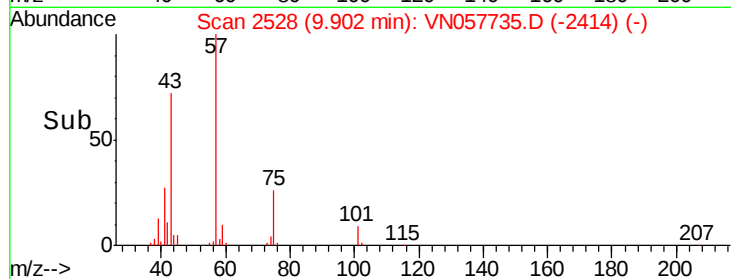
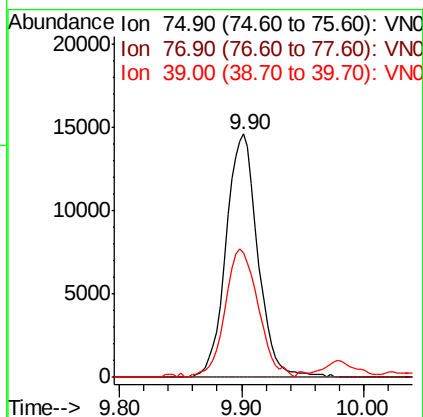
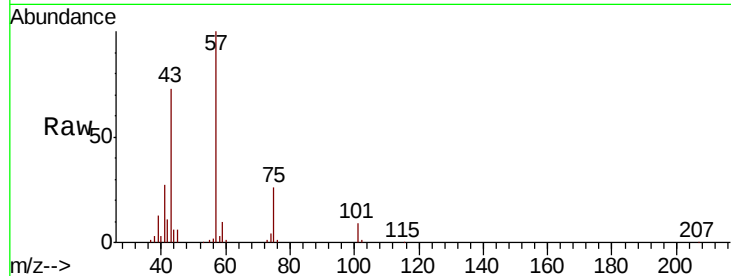




#54
 cis-1,3-Dichloropropene
 Concen: 5.221 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN057735.D
 Acq: 6 Sep 2019 23:44

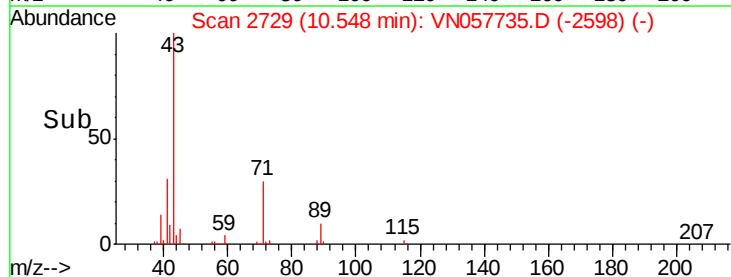
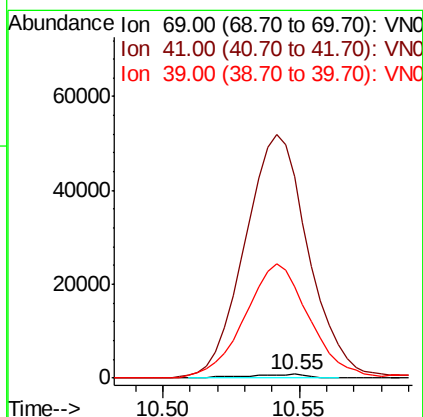
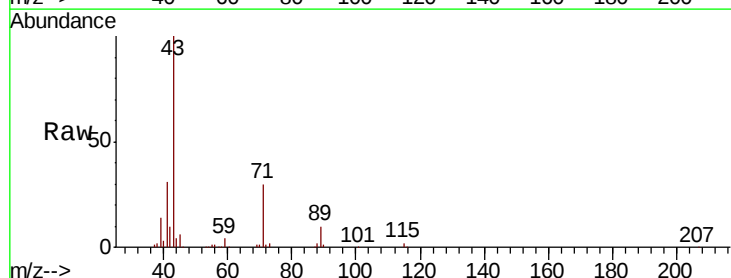
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-A1-(0)

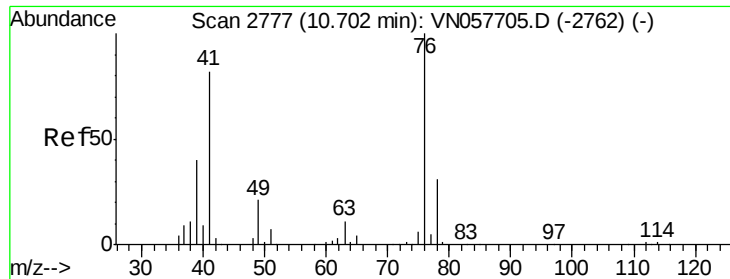
Tgt Ion: 75 Resp: 26503
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 51.1 62.4 93.6#



#56
 Ethyl methacrylate
 Concen: 0.258 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.12 min
 Lab File: VN057735.D
 Acq: 6 Sep 2019 23:44

Tgt Ion: 69 Resp: 1235
 Ion Ratio Lower Upper
 69 100
 41 6887.0 69.0 103.4#
 39 3239.8 49.2 73.8#

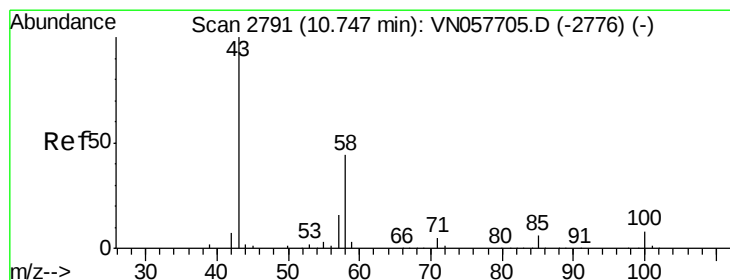
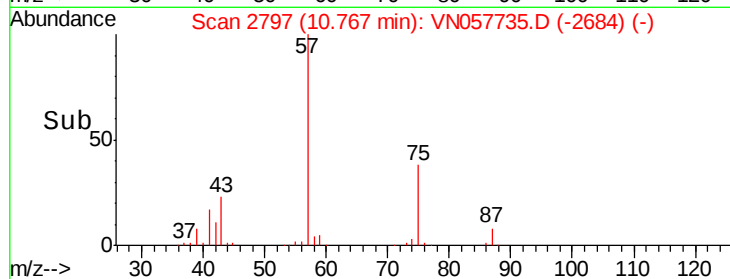
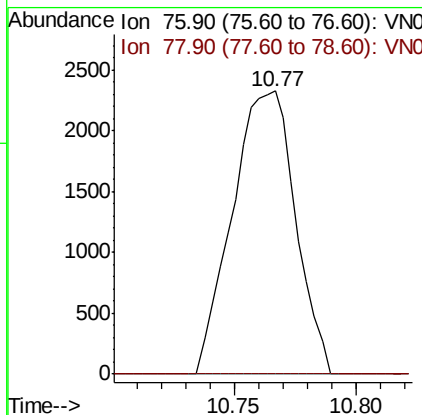
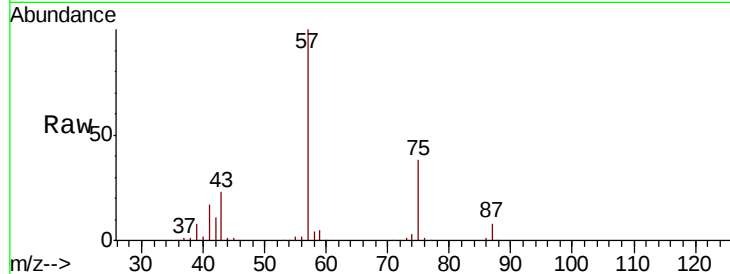




#57
 1,3-Dichloropropane
 Concen: 0.775 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN057735.D
 Acq: 6 Sep 2019 23:44

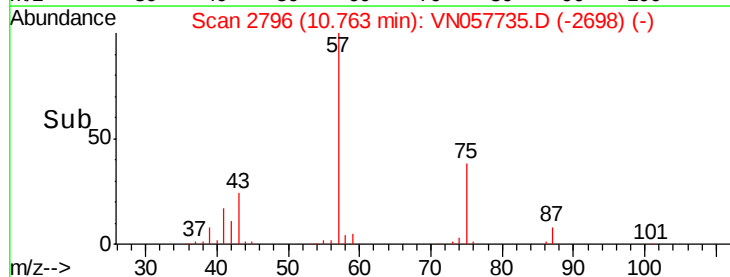
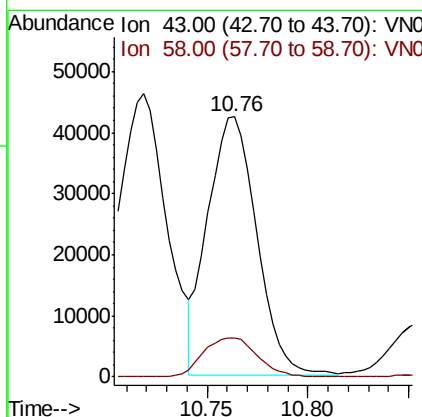
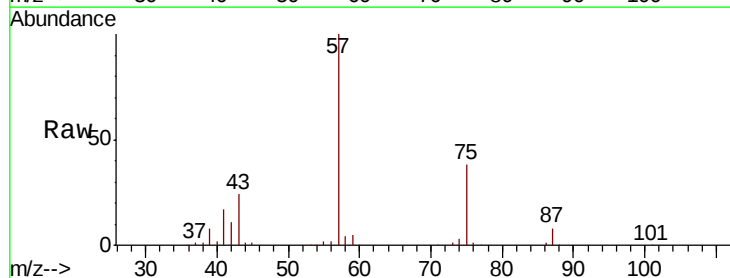
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-A1-(0)

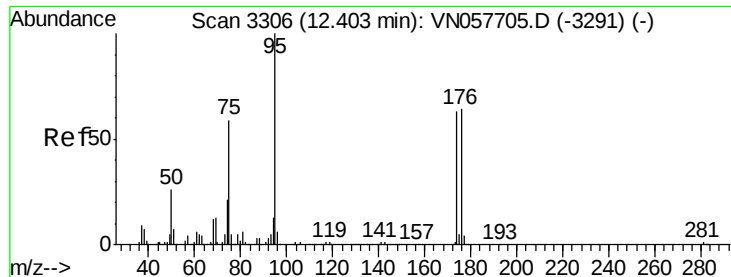
Tgt Ion: 76 Resp: 4169
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 22.048 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.02 min
 Lab File: VN057735.D
 Acq: 6 Sep 2019 23:44

Tgt Ion: 43 Resp: 71455
 Ion Ratio Lower Upper
 43 100
 58 16.8 22.1 66.5#





#62

4-Bromofluorobenzene

Concen: 45.191 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057735.D

Acq: 6 Sep 2019 23:44

Instrument :

MSVOA_N

ClientSampleId :

T12-A1-(0)

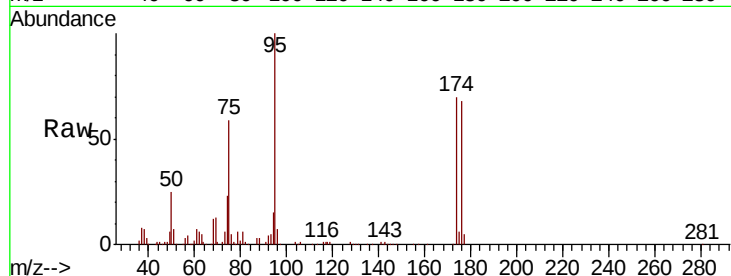
Tgt Ion: 95 Resp: 206467

Ion Ratio Lower Upper

95 100

174 66.7 0.0 128.0

176 64.3 0.0 128.0



Abundance Ion 94.90 (94.60 to 95.60): VN057735.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN057735.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN057735.D (-3213) (-)

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

12.40

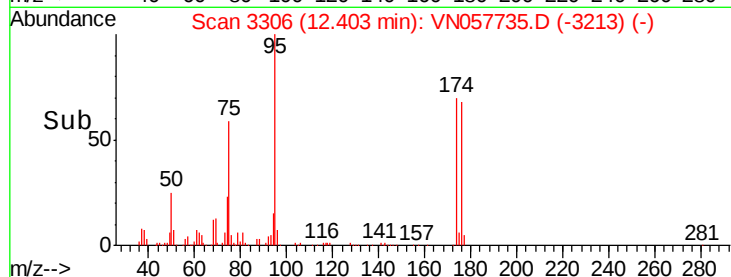
12.40

12.40

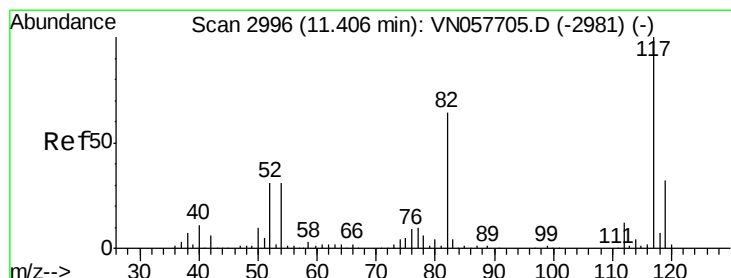
12.40

12.40

12.40



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057735.D

Acq: 6 Sep 2019 23:44

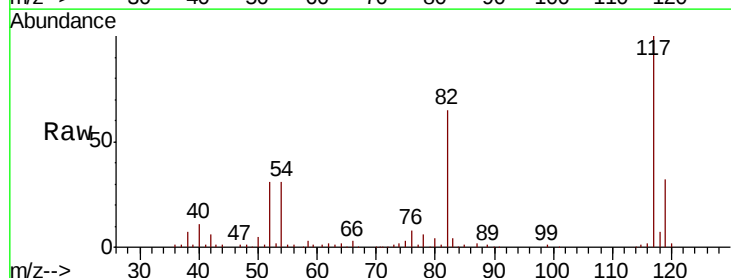
Tgt Ion: 117 Resp: 302618

Ion Ratio Lower Upper

117 100

82 64.6 51.4 77.0

119 32.4 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN057735.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN057735.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN057735.D (-2903) (-)

11.41

11.41

11.41

11.41

11.41

11.41

11.41

11.41

11.41

11.41

11.41

11.41

11.41

11.41

11.41

11.41

11.41

11.41

11.41

11.41

11.41

11.41

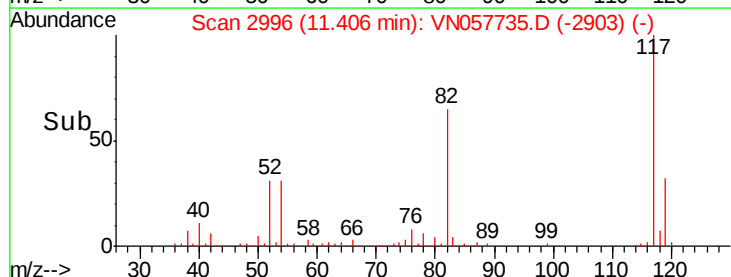
11.41

11.41

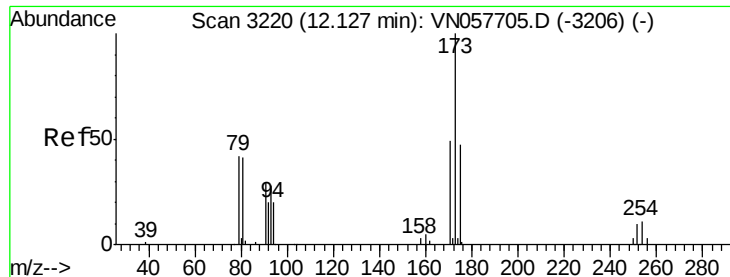
11.41

11.41

11.41



Time-->



#71

Bromoform

Concen: 3.488 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN057735.D

Acq: 6 Sep 2019 23:44

Instrument :

MSVOA_N

ClientSampleId :

T12-A1-(0)

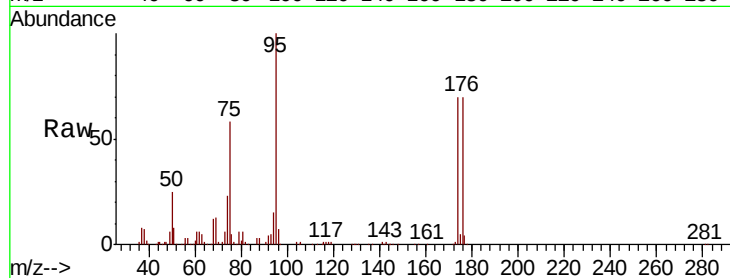
Tgt Ion:173 Resp: 539

Ion Ratio Lower Upper

173 100

175 1640.3 24.6 73.8#

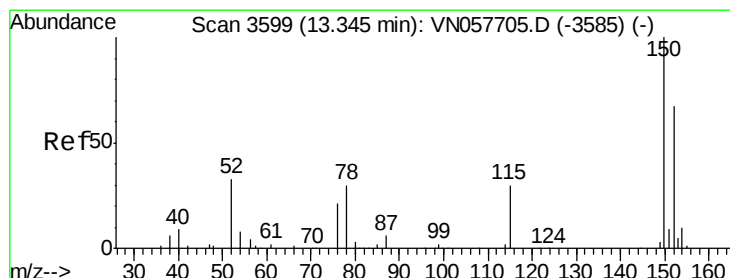
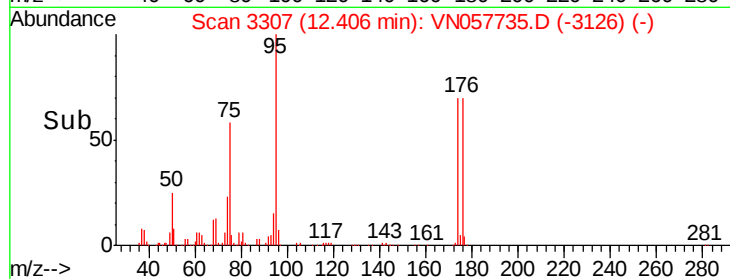
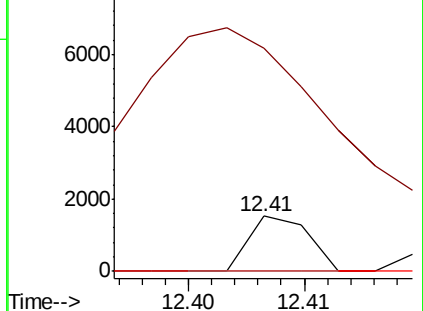
254 0.0 0.0 0.0



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: VN057735.D

Acq: 6 Sep 2019 23:44

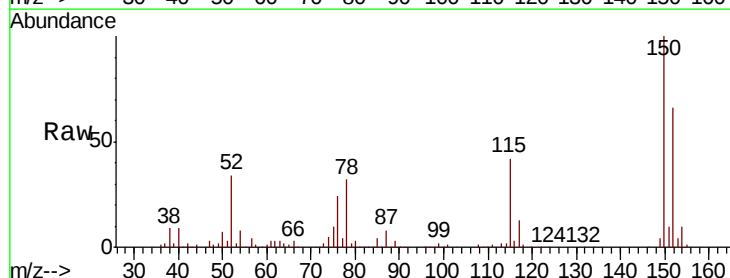
Tgt Ion:152 Resp: 152445

Ion Ratio Lower Upper

152 100

115 64.6 33.8 101.3

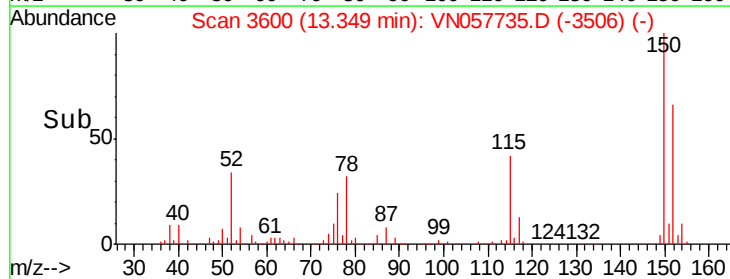
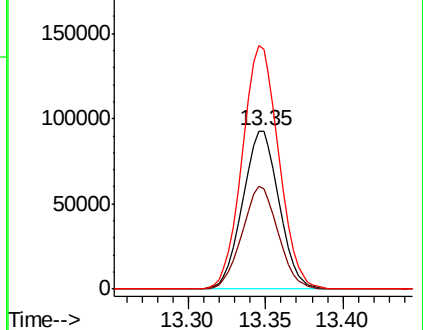
150 154.6 0.0 345.4

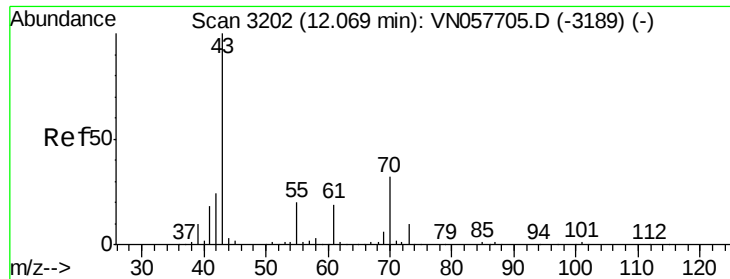


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.381 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN057735.D

Acq: 6 Sep 2019 23:44

Instrument :

MSVOA_N

ClientSampled :

T12-A1-(0)

Tgt Ion: 43 Resp: 2565

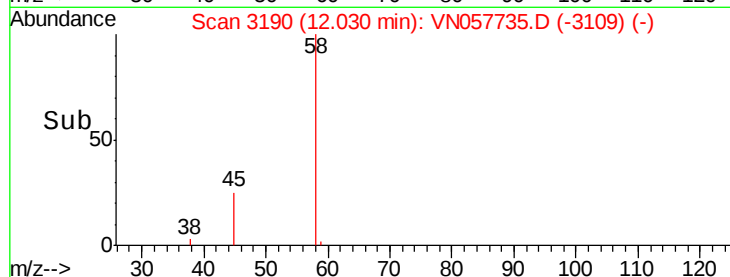
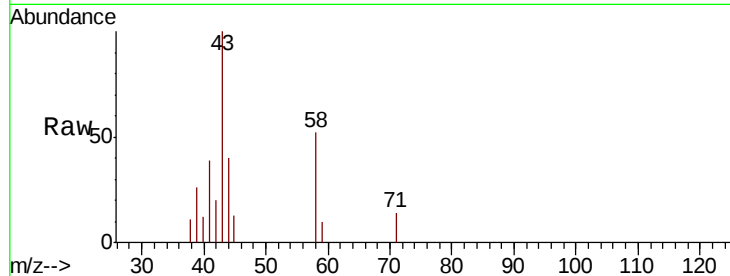
Ion Ratio Lower Upper

43 100

70 0.0 26.1 39.1#

55 7.1 16.3 24.5#

61 0.0 15.0 22.4#

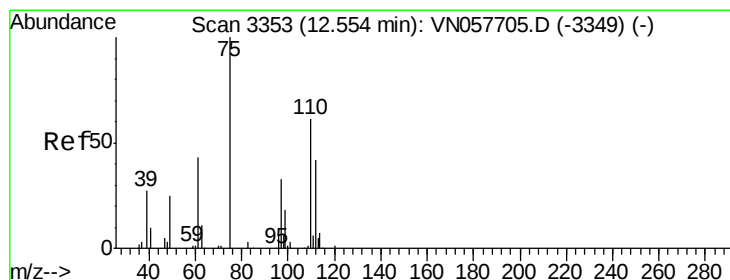
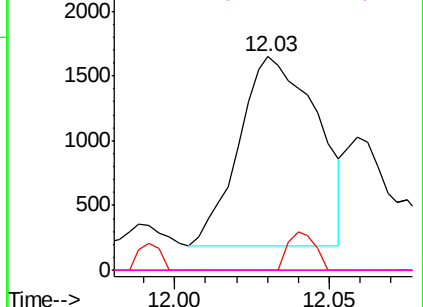


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 33.979 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057735.D

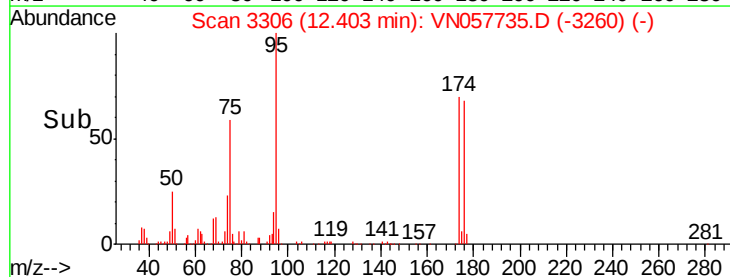
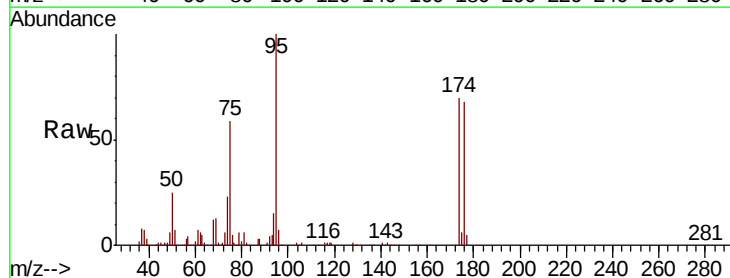
Acq: 6 Sep 2019 23:44

Tgt Ion: 75 Resp: 118950

Ion Ratio Lower Upper

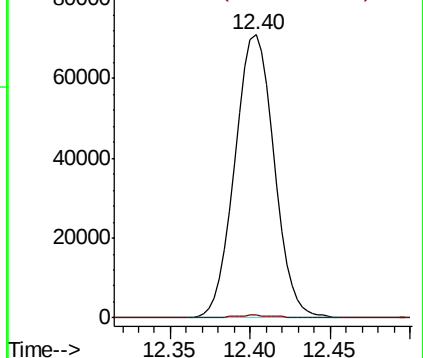
75 100

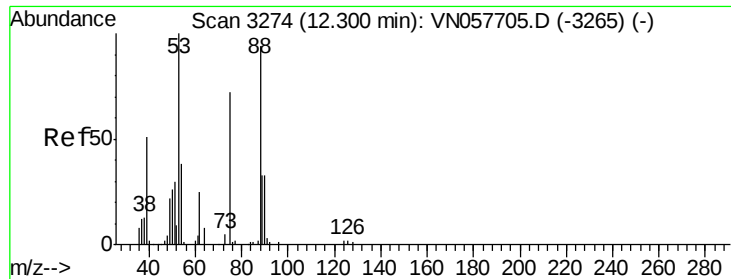
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 105.675 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057735.D

Acq: 6 Sep 2019 23:44

Instrument :

MSVOA_N

ClientSampleId :

T12-A1-(0)

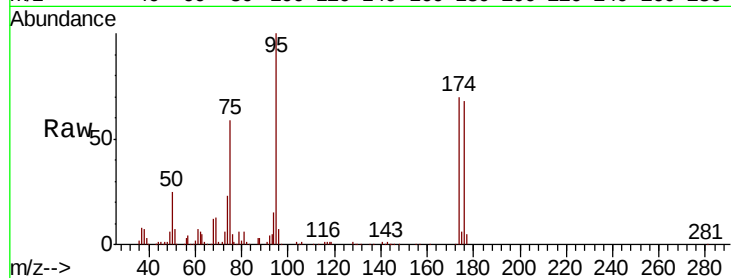
Tgt Ion: 75 Resp: 118950

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

