

Data File : VN057759.D
Acq On : 7 Sep 2019 17:19
Operator : JC/SP
Sample : K4581-31
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-D1-(0)

Quant Time: Sep 08 06:37:11 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	203830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	328729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	307578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	160627	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	235678	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
35) Dibromofluoromethane	7.58	113	139469	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
50) Toluene-d8	10.08	98	543509	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.40	95	199353	43.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.66%	

Target Compounds

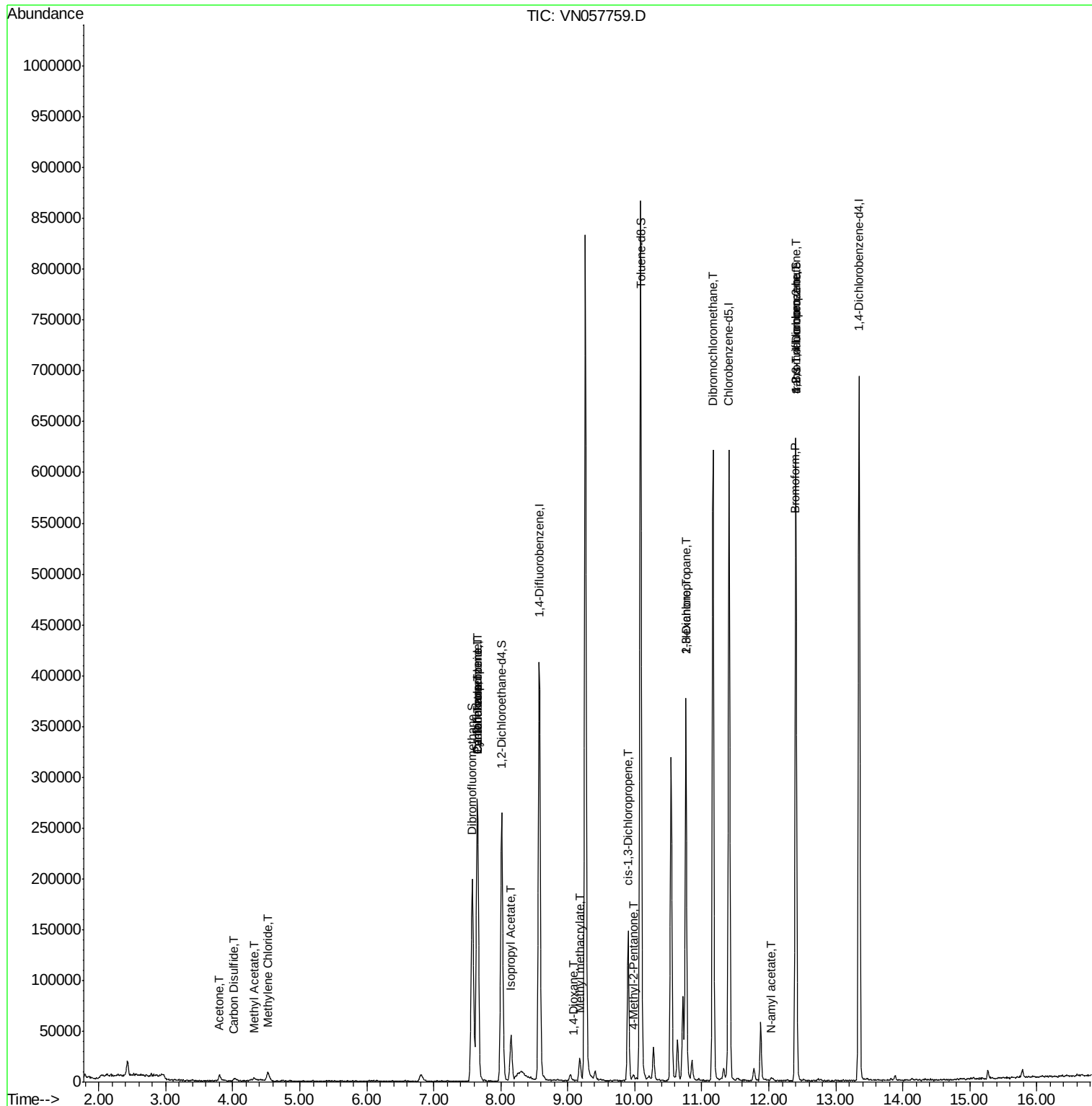
						Qvalue
3) Chloromethane	2.04	50	637	Below Cal	#	80
16) Acetone	3.80	43	9021	5.912	ug/l	100
17) Carbon Disulfide	4.01	76	1952	0.341	ug/l #	76
18) Methyl Acetate	4.31	43	1568	0.378	ug/l #	80
20) Methylene Chloride	4.51	84	2029	0.615	ug/l	88
31) Cyclohexane	7.65	56	6377	1.146	ug/l #	3
36) 1,1-Dichloropropene	7.65	75	19109	4.370	ug/l #	54
38) Carbon Tetrachloride	7.65	117	21687	5.179	ug/l #	15
43) Isopropyl Acetate	8.15	43	53681	6.442	ug/l	96
48) Methyl methacrylate	9.18	41	3415	0.797	ug/l #	16
49) 1,4-Dioxane	9.08	88	31	0.622	ug/l #	19
51) 4-Methyl-2-Pentanone	9.99	43	5100	1.102	ug/l #	81
54) cis-1,3-Dichloropropene	9.90	75	21813	4.267	ug/l #	66
57) 1,3-Dichloropropane	10.76	76	2699	0.498	ug/l #	43
59) 2-Hexanone	10.76	43	61918	18.973	ug/l #	55
60) Dibromochloromethane	11.16	129	30	1.862	ug/l #	11
71) Bromoform	12.39	173	196	3.330	ug/l #	28
74) N-amyl acetate	12.04	43	2106	0.297	ug/l #	55
76) 1,2,3-Trichloropropane	12.40	75	120574	32.688	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	120574	101.661	ug/l #	1

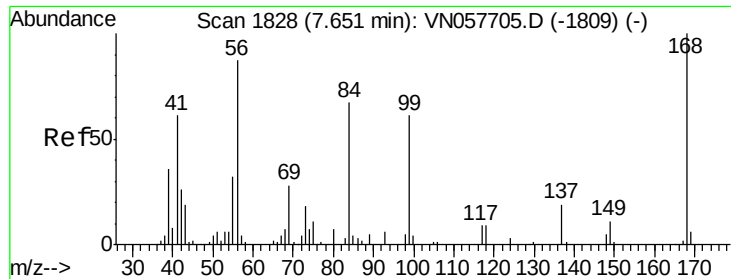
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057759.D

Acq: 7 Sep 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

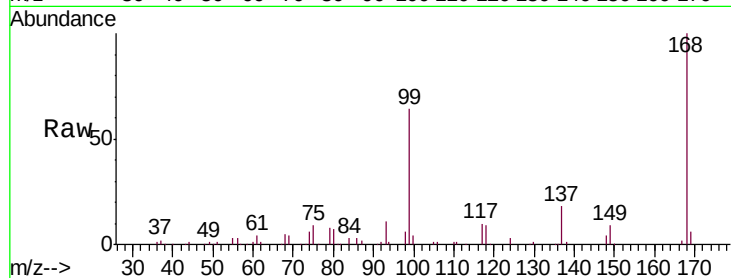
T12-D1-(0)

Tgt Ion:168 Resp: 203830

Ion Ratio Lower Upper

168 100

99 64.1 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

80000

60000

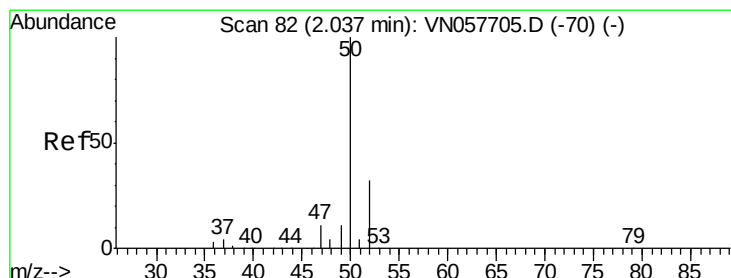
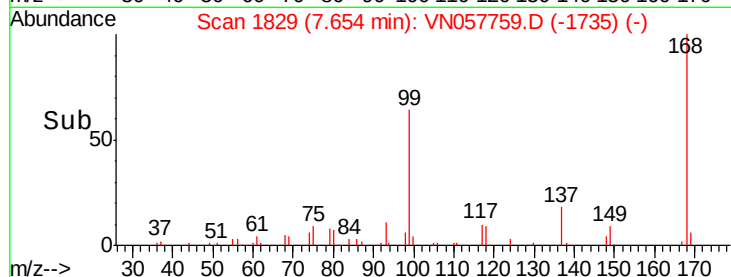
40000

20000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057759.D

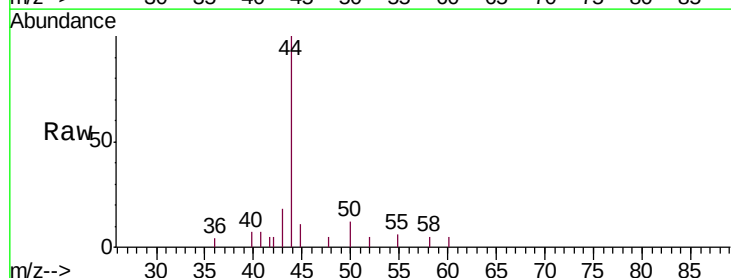
Acq: 7 Sep 2019 17:19

Tgt Ion: 50 Resp: 637

Ion Ratio Lower Upper

50 100

52 43.5 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

500

400

300

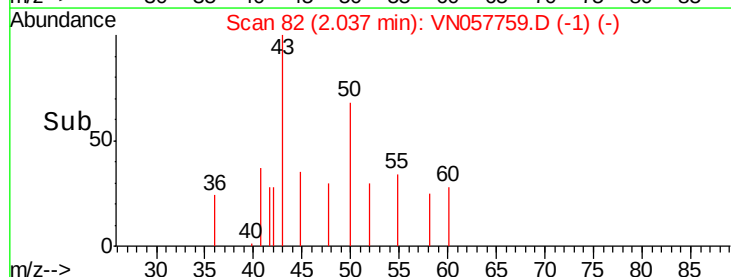
200

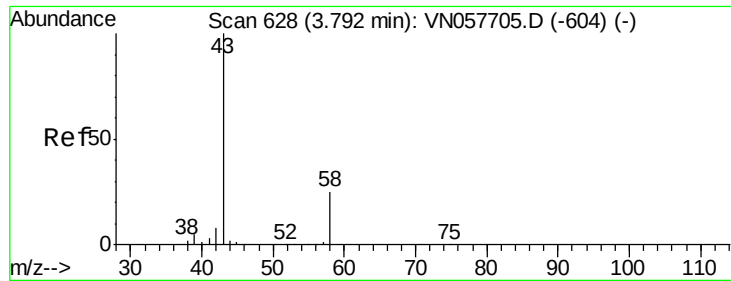
100

0

2.00 2.02 2.04 2.06

Time-->





#16

Acetone

Concen: 5.912 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN057759.D

Acq: 7 Sep 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

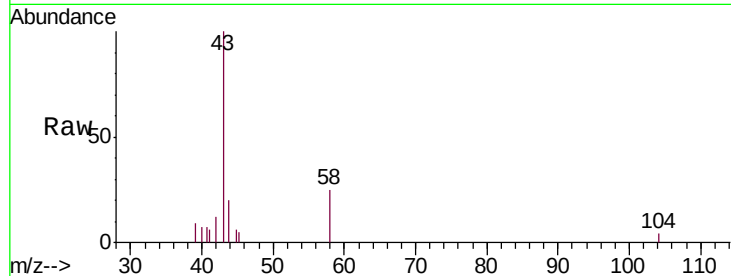
T12-D1-(0)

Tgt Ion: 43 Resp: 9021

Ion Ratio Lower Upper

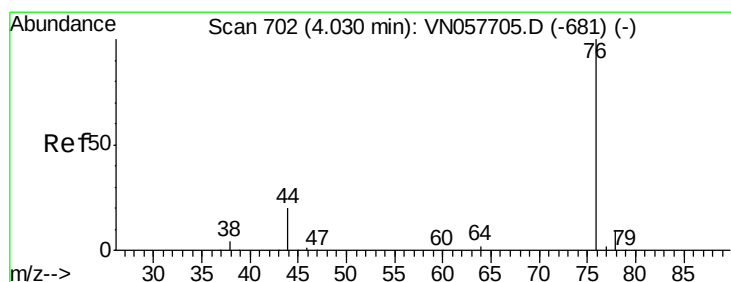
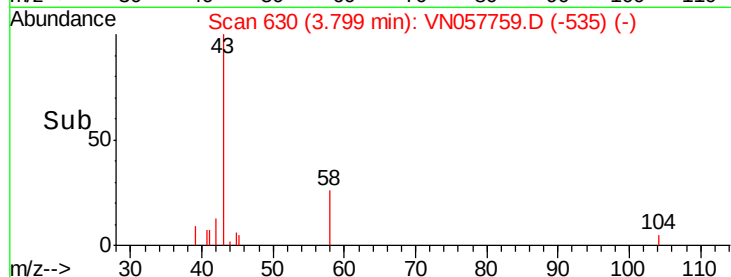
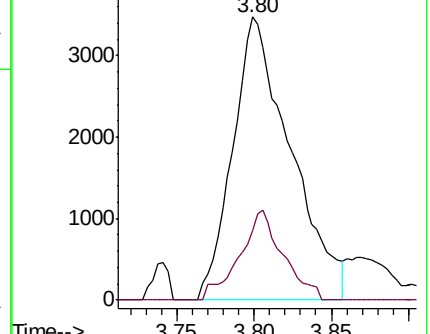
43 100

58 24.7 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN057705.D (-604) (-)



#17

Carbon Disulfide

Concen: 0.341 ug/l

RT: 4.01 min Scan# 697

Delta R.T. -0.02 min

Lab File: VN057759.D

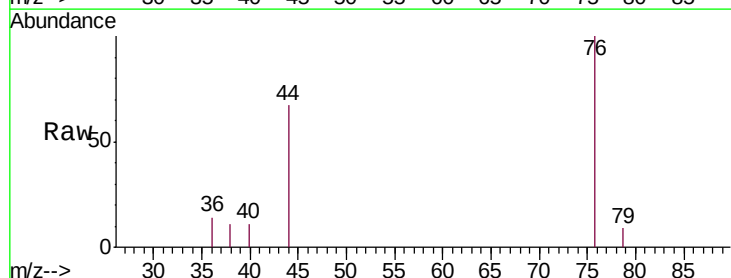
Acq: 7 Sep 2019 17:19

Tgt Ion: 76 Resp: 1952

Ion Ratio Lower Upper

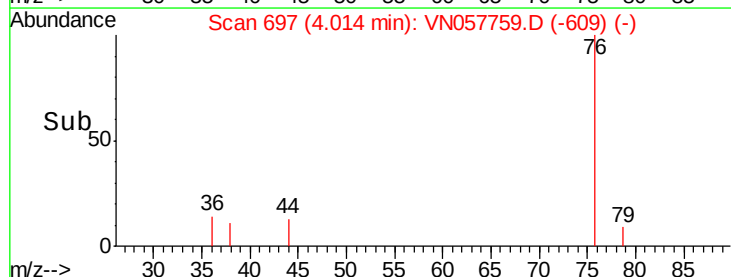
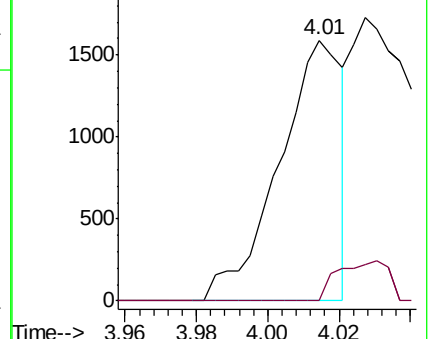
76 100

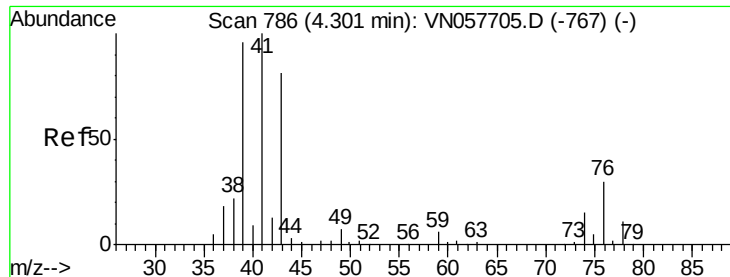
78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VN057705.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN057705.D (-681) (-)

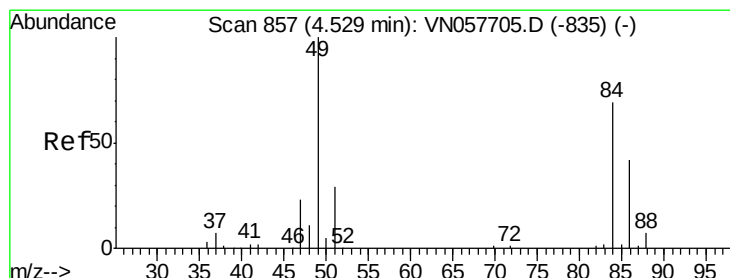
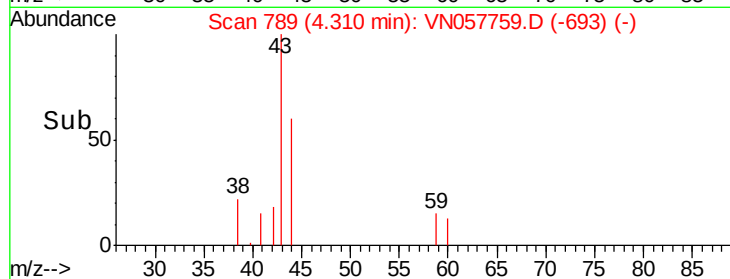
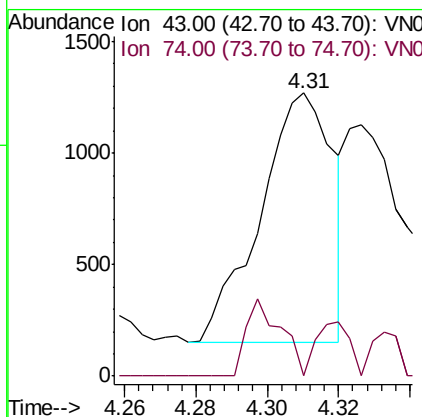
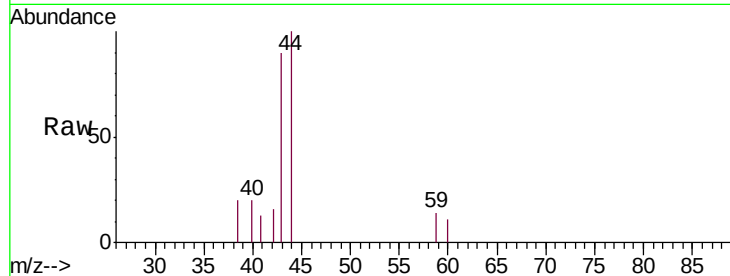




#18
Methyl Acetate
Concen: 0.378 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN057759.D
Acq: 7 Sep 2019 17:19

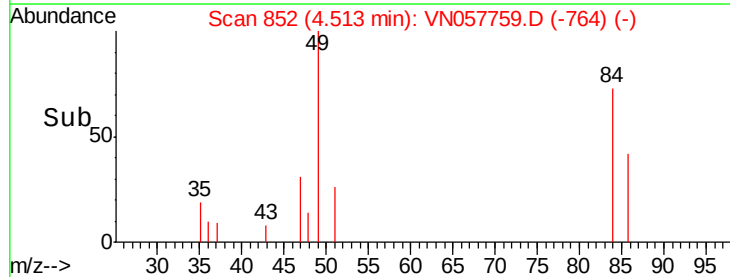
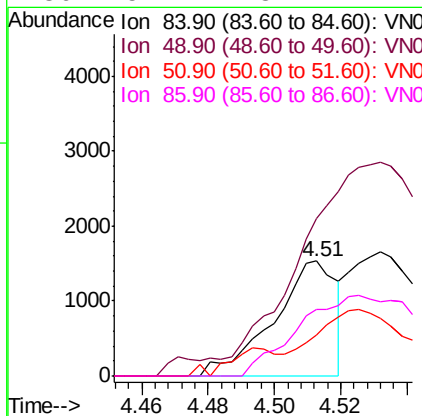
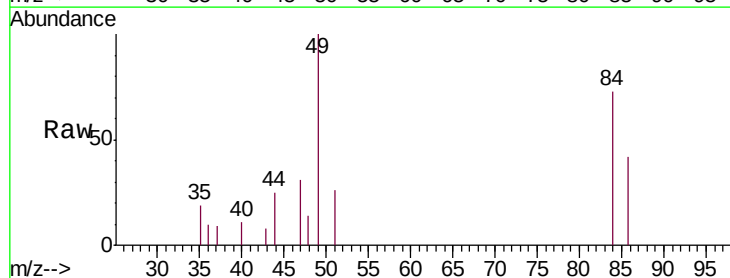
Instrument :
MSVOA_N
ClientSampled :
T12-D1-(0)

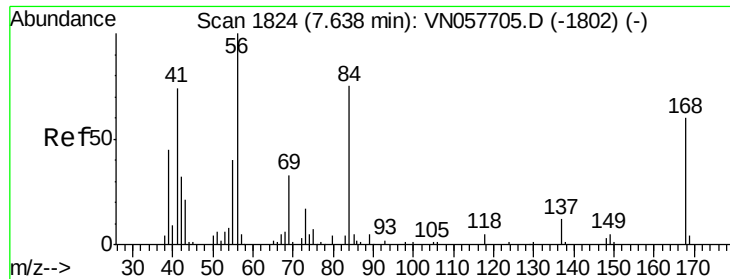
Tgt Ion: 43 Resp: 1568
Ion Ratio Lower Upper
43 100
74 9.9 15.3 22.9#



#20
Methylene Chloride
Concen: 0.615 ug/l
RT: 4.51 min Scan# 852
Delta R.T. -0.02 min
Lab File: VN057759.D
Acq: 7 Sep 2019 17:19

Tgt Ion: 84 Resp: 2029
Ion Ratio Lower Upper
84 100
49 123.3 115.0 172.6
51 35.2 33.8 50.8
86 57.7 48.2 72.2

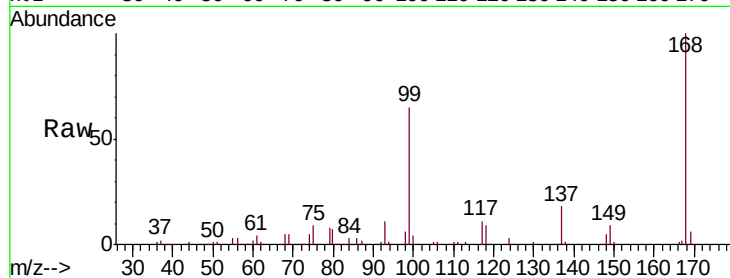




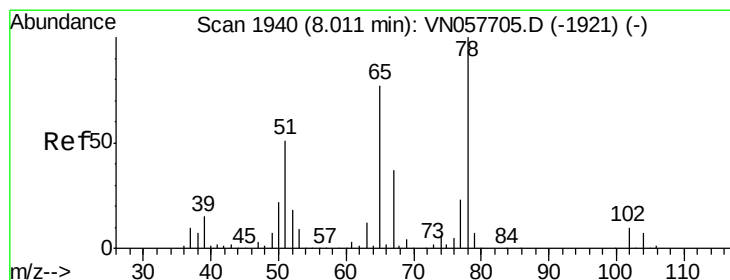
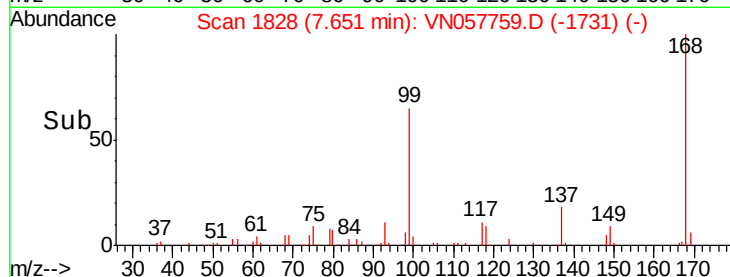
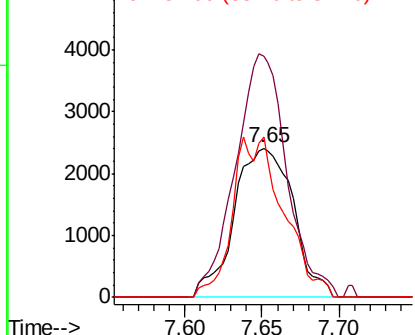
#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057759.D
Acq: 7 Sep 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
T12-D1-(0)

Tgt Ion: 56 Resp: 6377
Ion Ratio Lower Upper
56 100
69 162.3 26.2 39.2#
84 108.0 59.8 89.8#

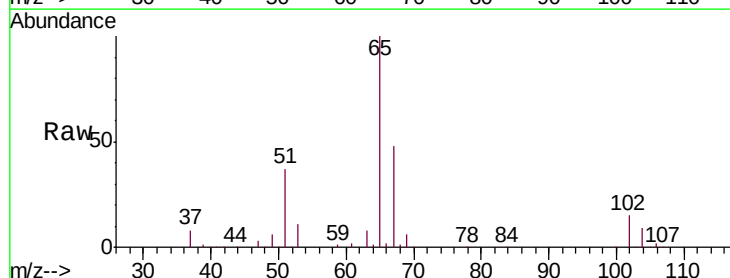


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

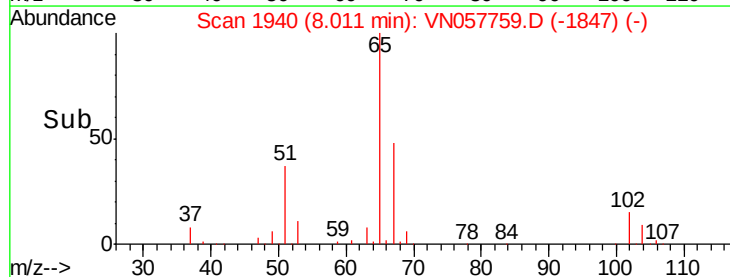
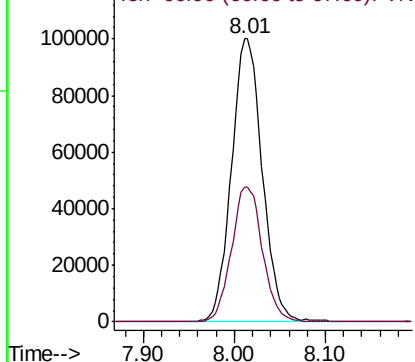


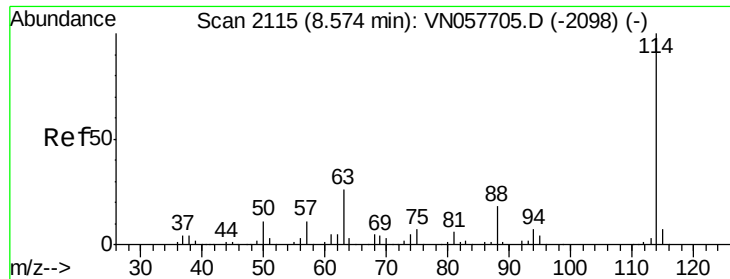
#33
1,2-Dichloroethane-d4
Concen: 47.530 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN057759.D
Acq: 7 Sep 2019 17:19

Tgt Ion: 65 Resp: 235678
Ion Ratio Lower Upper
65 100
67 47.8 0.0 98.2



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

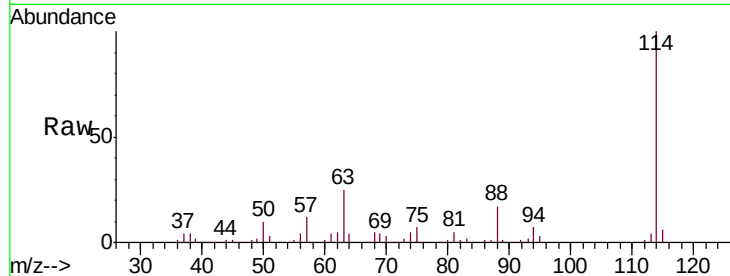




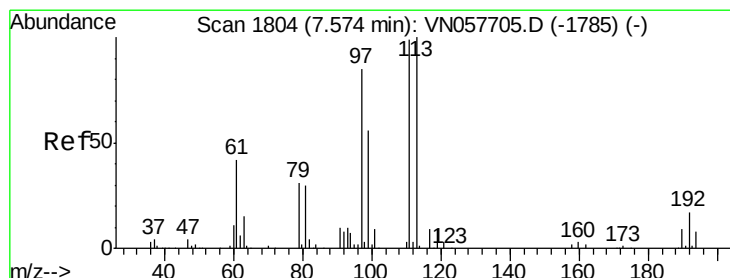
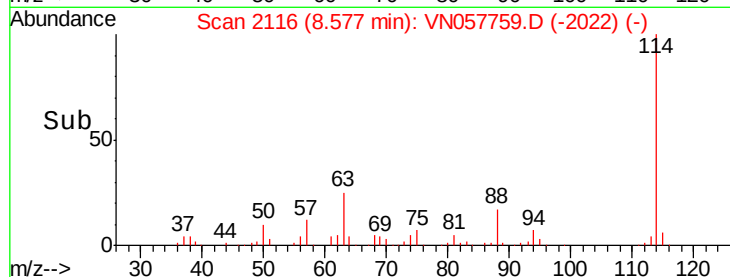
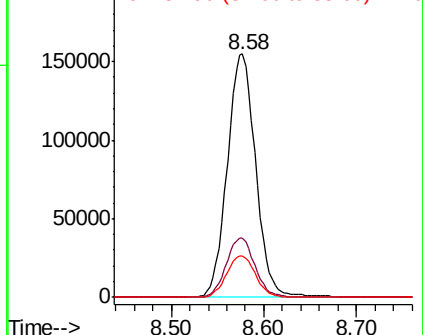
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057759.D
 Acq: 7 Sep 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-D1-(0)

Tgt Ion:114 Resp: 328729
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 52.4
 88 17.0 0.0 35.4

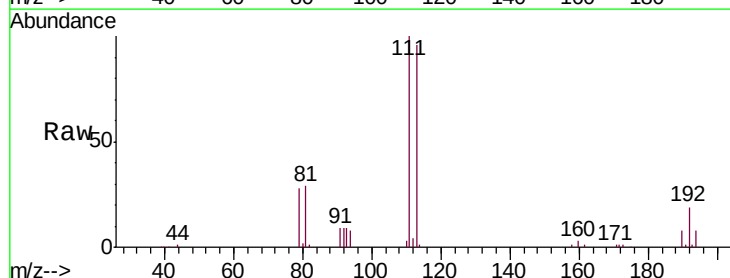


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

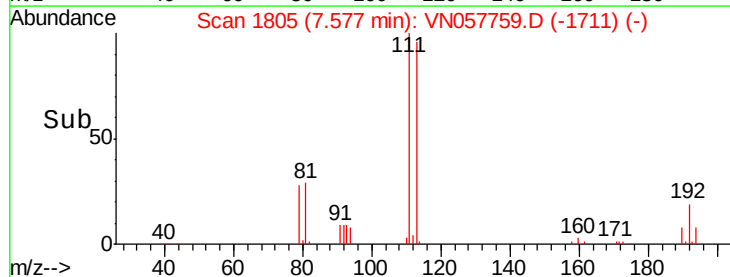
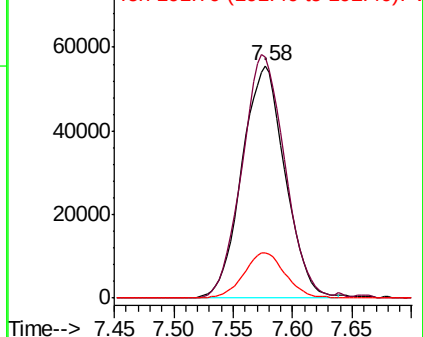


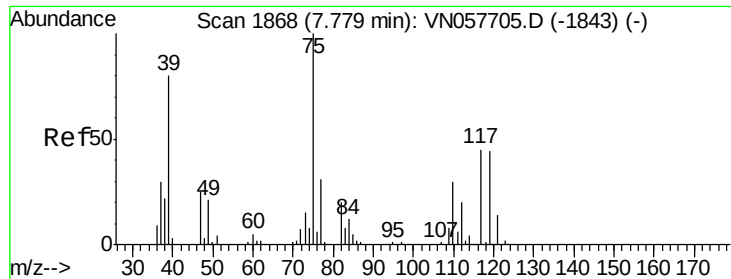
#35
 Dibromofluoromethane
 Concen: 46.579 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057759.D
 Acq: 7 Sep 2019 17:19

Tgt Ion:113 Resp: 139469
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.7 124.1
 192 18.8 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

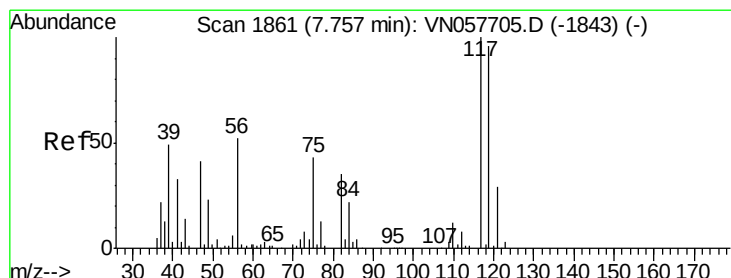
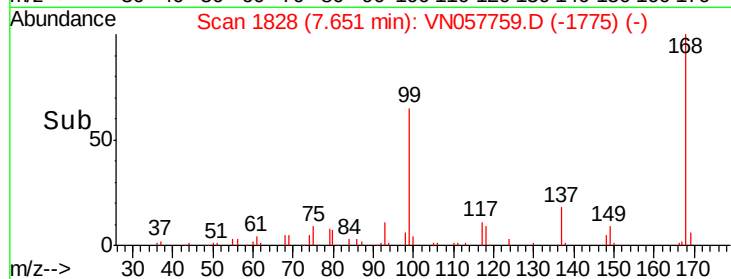
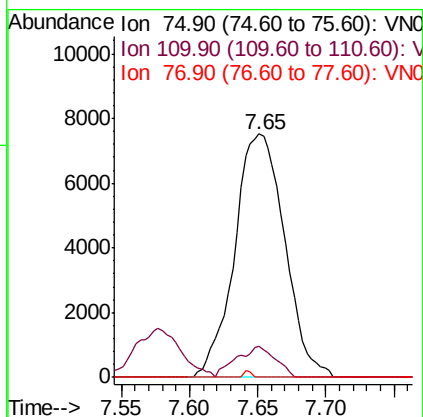
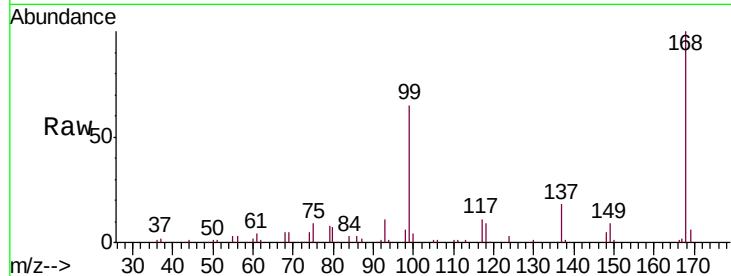




#36
 1,1-Dichloropropene
 Concen: 4.370 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057759.D
 Acq: 7 Sep 2019 17:19

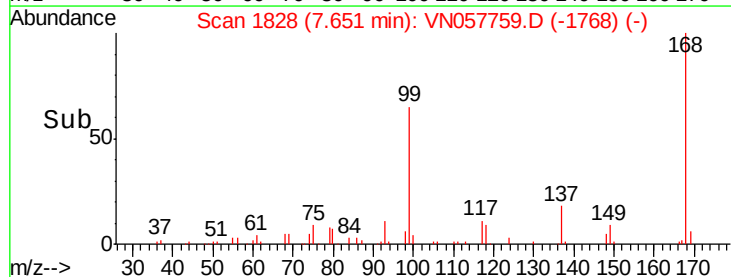
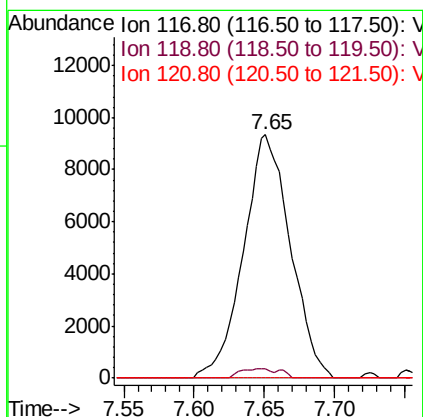
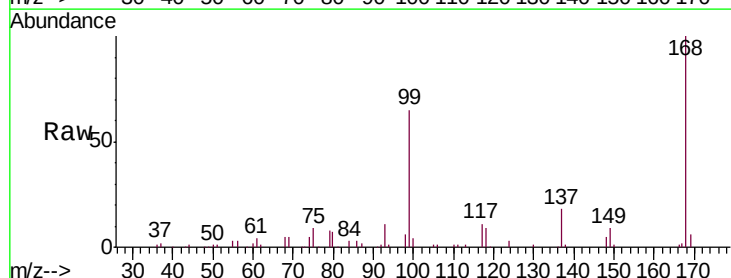
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-D1-(0)

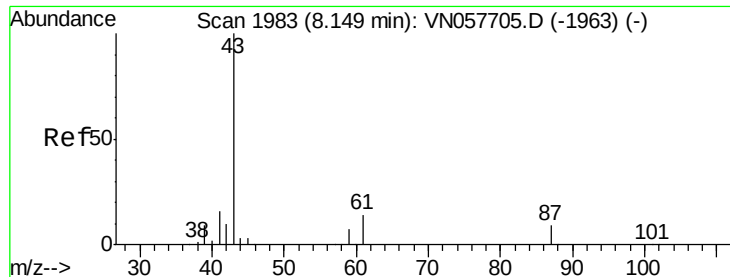
Tgt Ion: 75 Resp: 19109
 Ion Ratio Lower Upper
 75 100
 110 9.9 15.0 45.0#
 77 0.4 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.179 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057759.D
 Acq: 7 Sep 2019 17:19

Tgt Ion: 117 Resp: 21687
 Ion Ratio Lower Upper
 117 100
 119 3.7 76.1 114.1#
 121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 6.442 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057759.D

Acq: 7 Sep 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

T12-D1-(0)

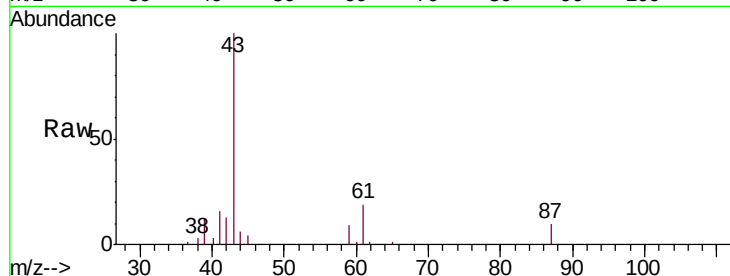
Tgt Ion: 43 Resp: 53681

Ion Ratio Lower Upper

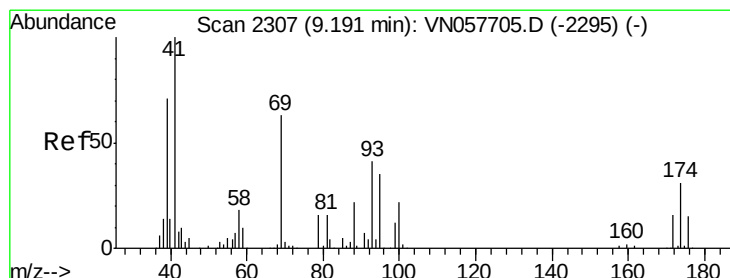
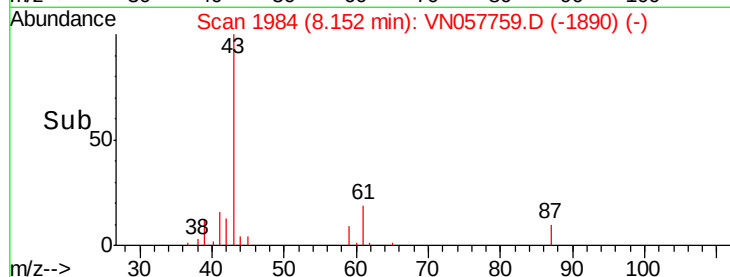
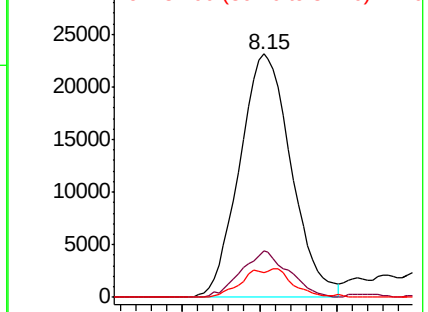
43 100

61 17.7 12.8 19.2

87 11.2 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#48

Methyl methacrylate

Concen: 0.797 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.01 min

Lab File: VN057759.D

Acq: 7 Sep 2019 17:19

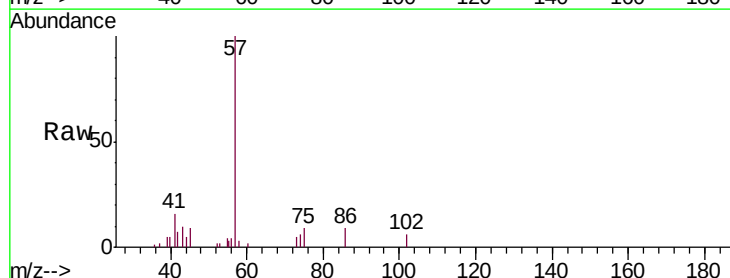
Tgt Ion: 41 Resp: 3415

Ion Ratio Lower Upper

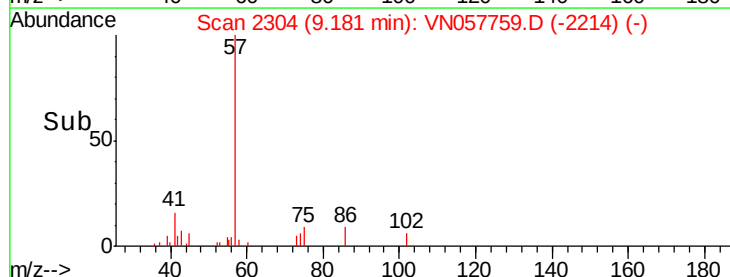
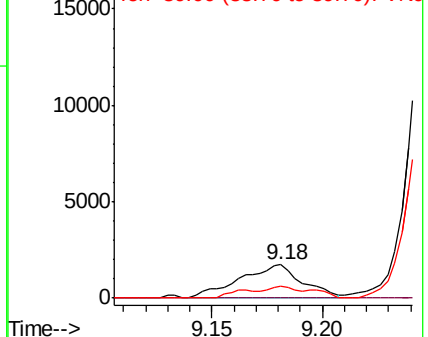
41 100

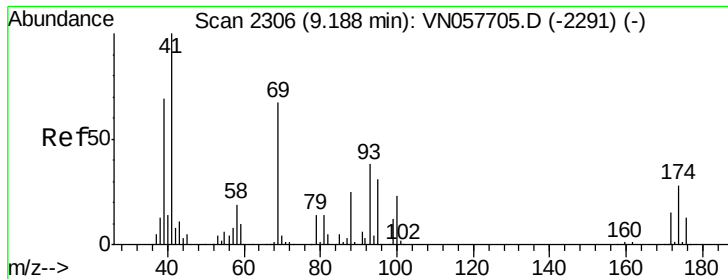
69 0.0 51.2 76.8#

39 0.0 57.3 85.9#



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

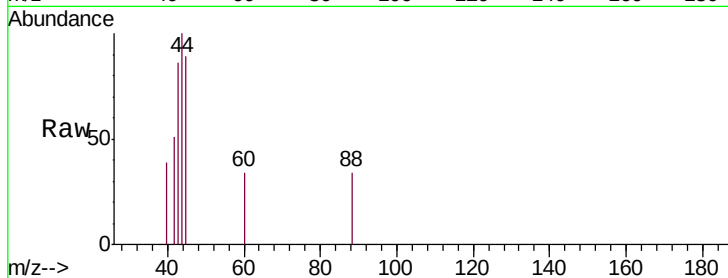




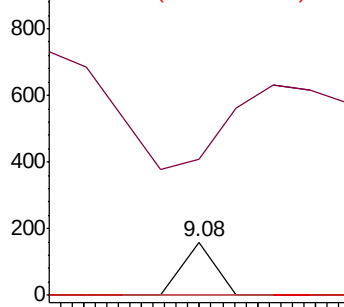
#49
1,4-Dioxane
Concen: 0.622 ug/l
RT: 9.08 min Scan# 2274
Delta R.T. -0.10 min
Lab File: VN057759.D
Acq: 7 Sep 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
T12-D1-(0)

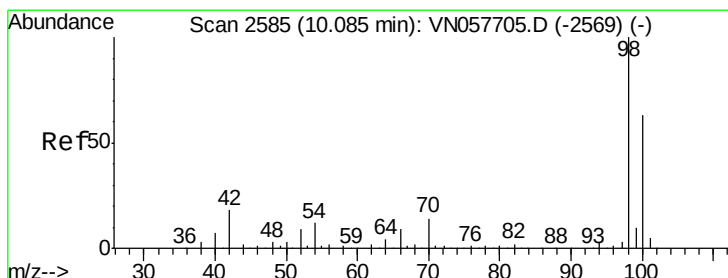
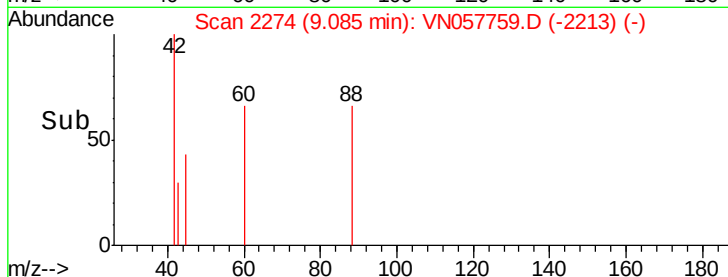
Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 0.0 35.4 53.2#
58 0.0 61.5 92.3#



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

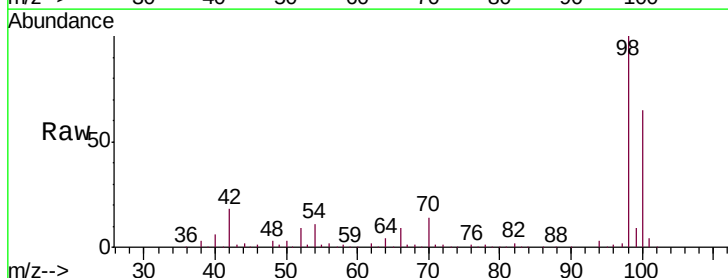


Time-->

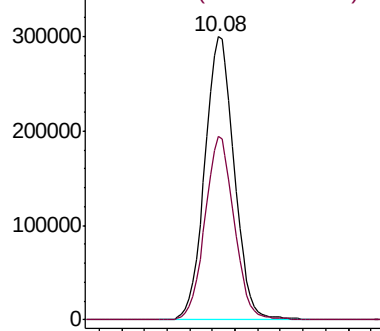


#50
Toluene-d8
Concen: 49.069 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057759.D
Acq: 7 Sep 2019 17:19

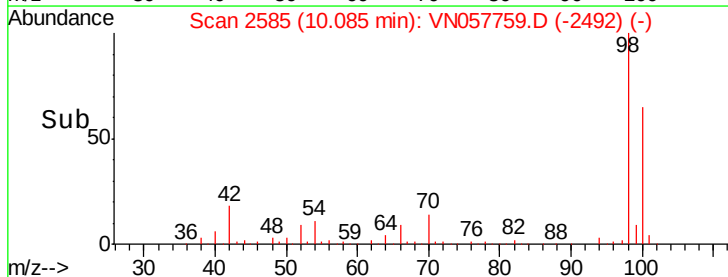
Tgt Ion: 98 Resp: 543509
Ion Ratio Lower Upper
98 100
100 64.2 50.7 76.1

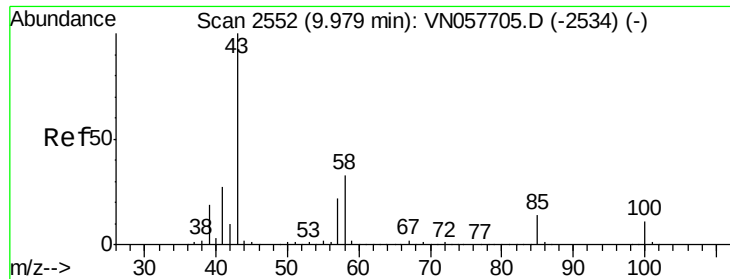


Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 1.102 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN057759.D

Acq: 7 Sep 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

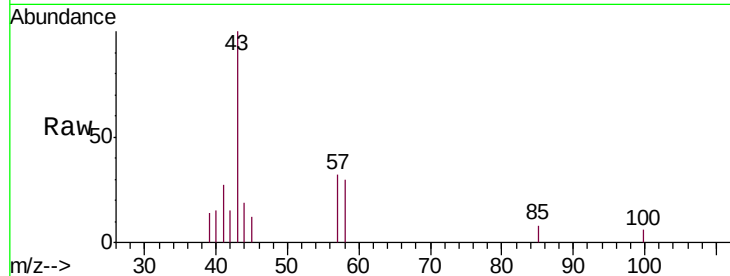
T12-D1-(0)

Tgt Ion: 43 Resp: 5100

Ion Ratio Lower Upper

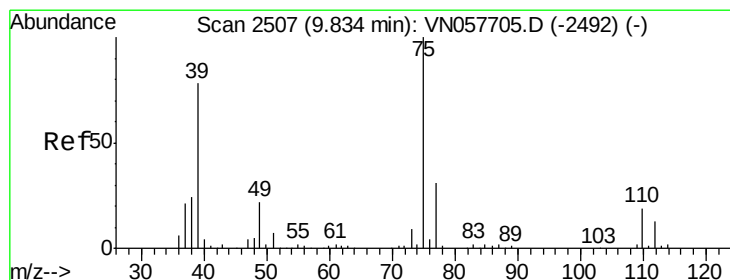
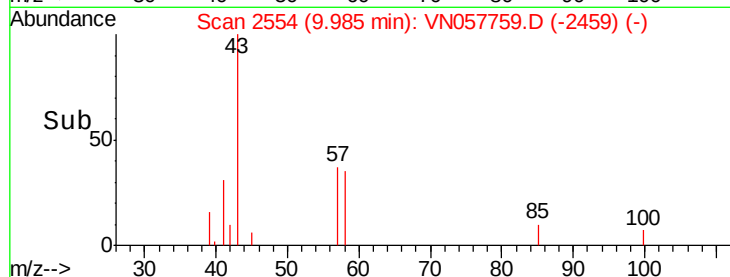
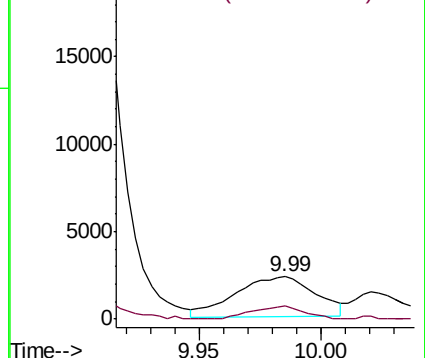
43 100

58 21.6 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: 4.267 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057759.D

Acq: 7 Sep 2019 17:19

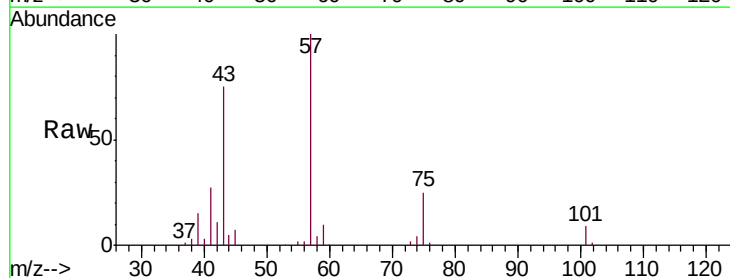
Tgt Ion: 75 Resp: 21813

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

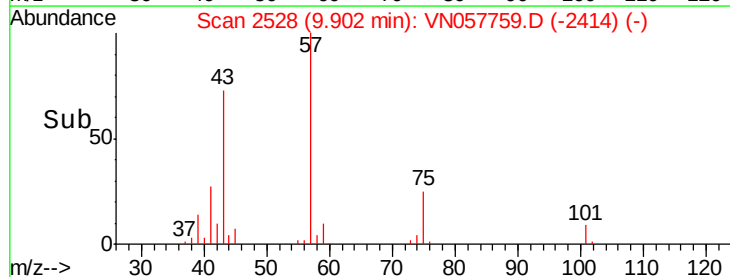
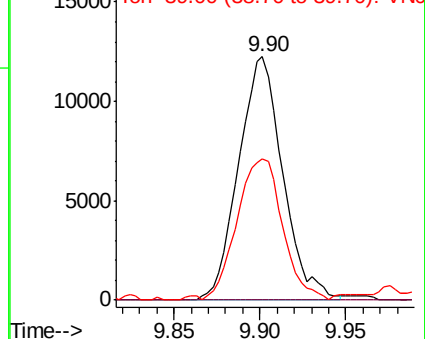
39 56.1 62.4 93.6#

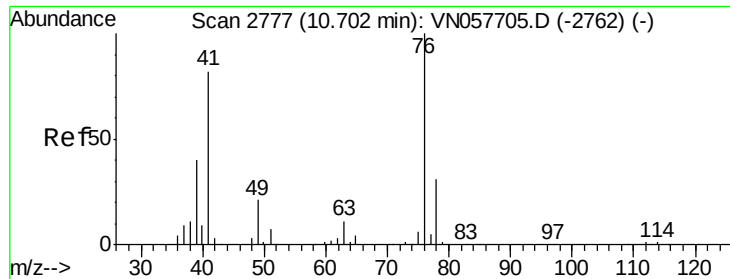


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

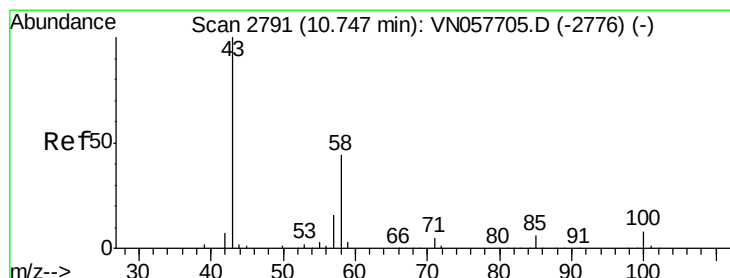
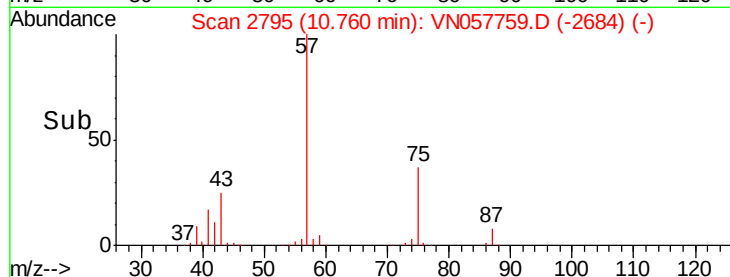
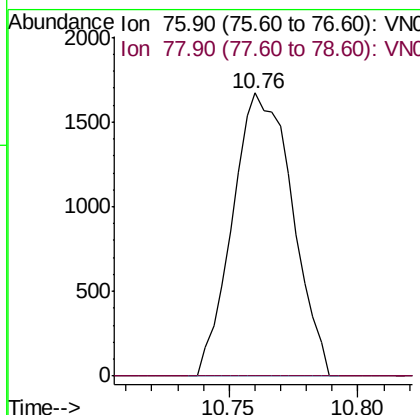
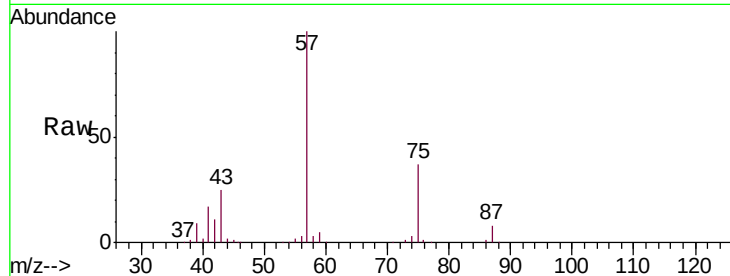




#57
 1,3-Dichloropropane
 Concen: 0.498 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.06 min
 Lab File: VN057759.D
 Acq: 7 Sep 2019 17:19

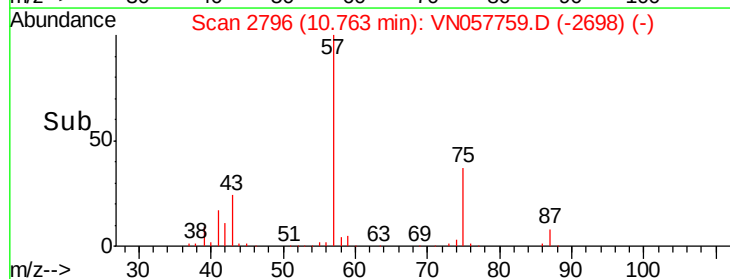
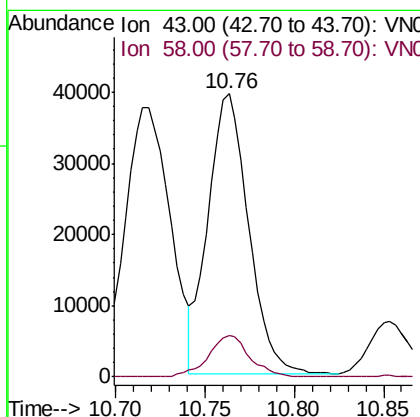
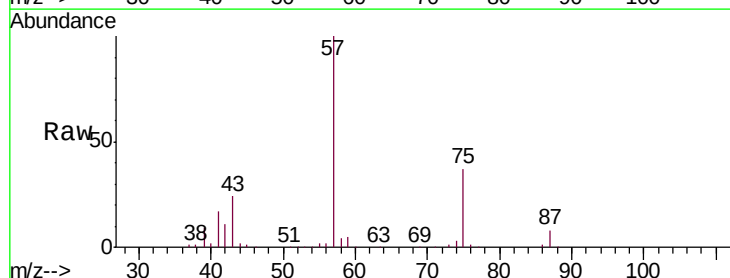
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-D1-(0)

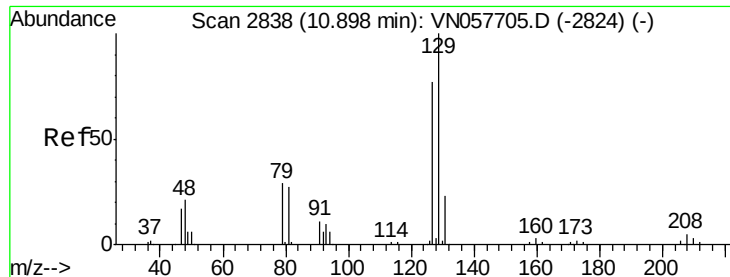
Tgt Ion: 76 Resp: 2699
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 18.973 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.02 min
 Lab File: VN057759.D
 Acq: 7 Sep 2019 17:19

Tgt Ion: 43 Resp: 61918
 Ion Ratio Lower Upper
 43 100
 58 14.9 22.1 66.5#





#60

Dibromochloromethane

Concen: 1.862 ug/l

RT: 11.16 min Scan# 2919

Delta R.T. 0.26 min

Lab File: VN057759.D

Acq: 7 Sep 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

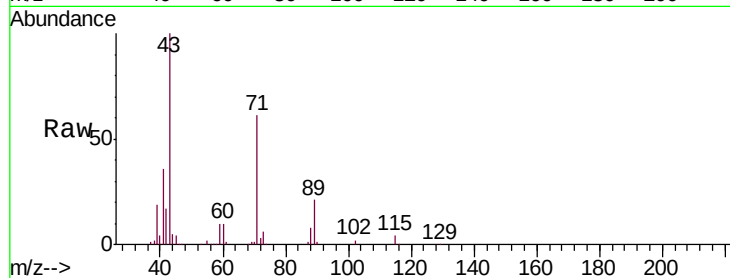
T12-D1-(0)

Tgt Ion:129 Resp: 30

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.16

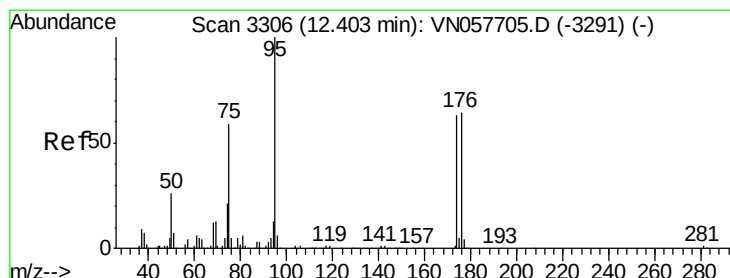
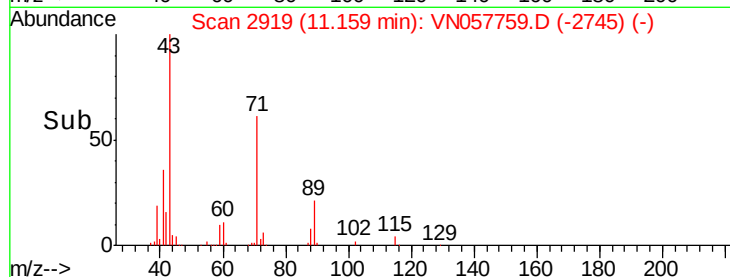
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.332 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057759.D

Acq: 7 Sep 2019 17:19

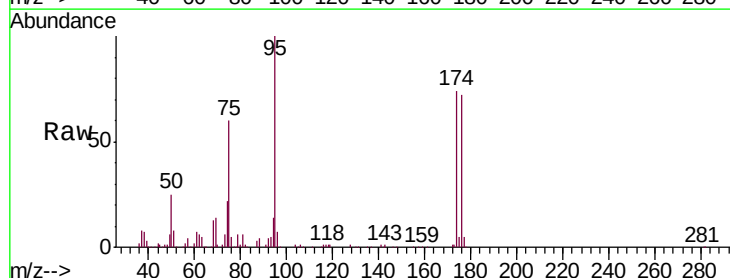
Tgt Ion: 95 Resp: 199353

Ion Ratio Lower Upper

95 100

174 73.4 0.0 128.0

176 71.4 0.0 128.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

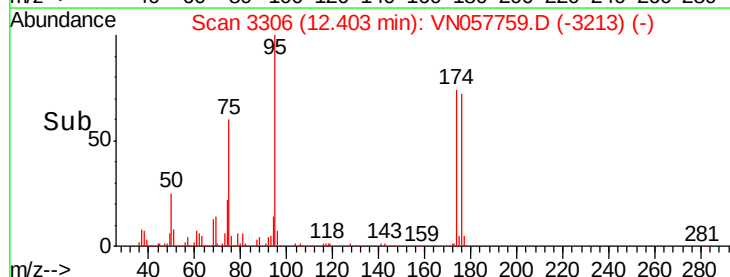
150000

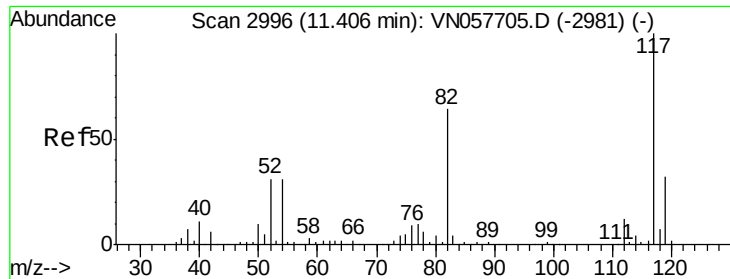
100000

50000

0

Time-->

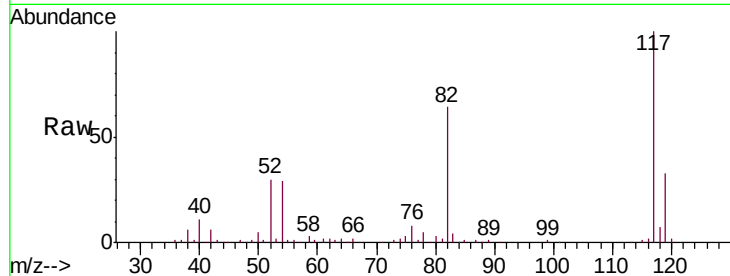




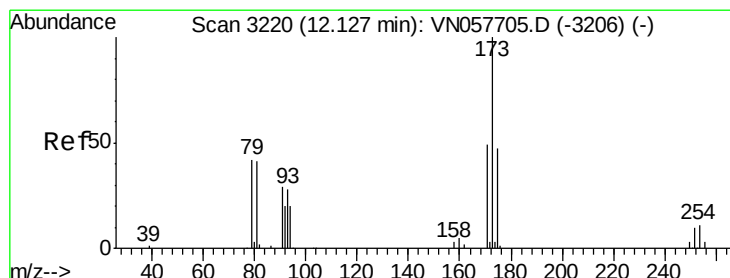
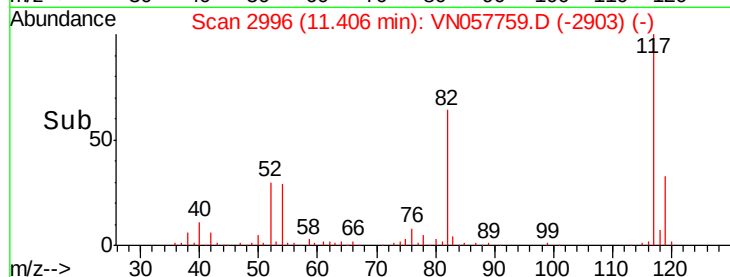
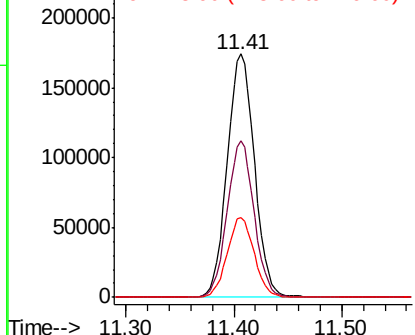
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057759.D
Acq: 7 Sep 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
T12-D1-(0)

Tgt Ion:117 Resp: 307578
Ion Ratio Lower Upper
117 100
82 64.3 51.4 77.0
119 33.0 25.4 38.2

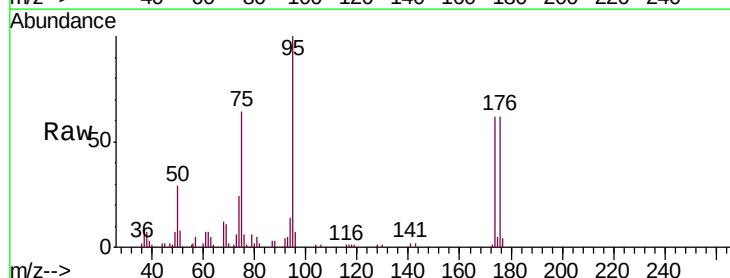


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

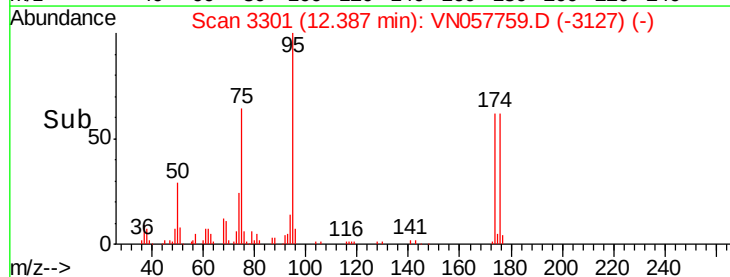
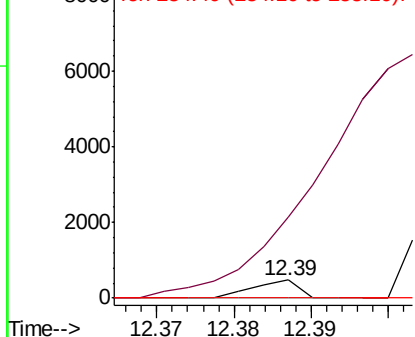


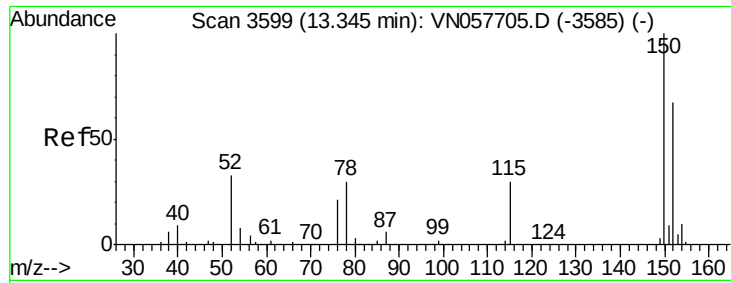
#71
Bromoform
Concen: 3.330 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.26 min
Lab File: VN057759.D
Acq: 7 Sep 2019 17:19

Tgt Ion:173 Resp: 196
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: VN057759.D

Acq: 7 Sep 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

T12-D1-(0)

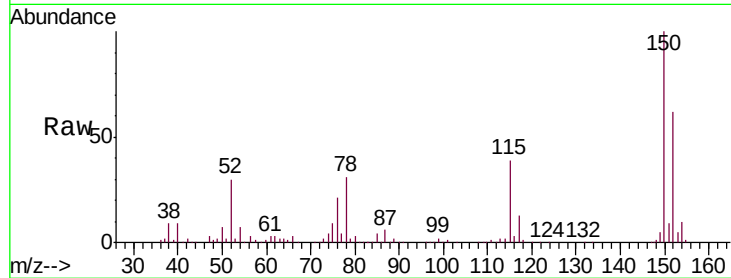
Tgt Ion:152 Resp: 160627

Ion Ratio Lower Upper

152 100

115 63.4 33.8 101.3

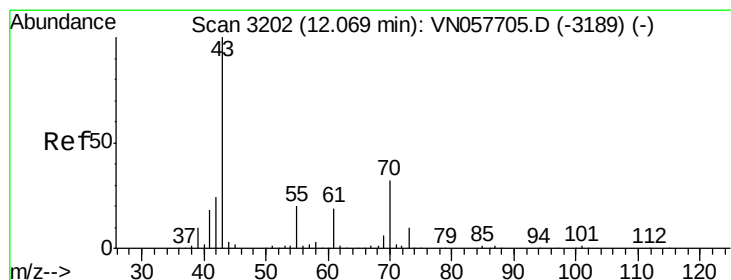
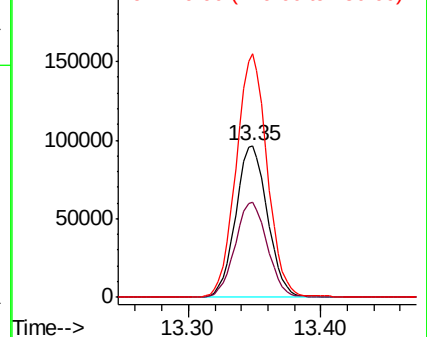
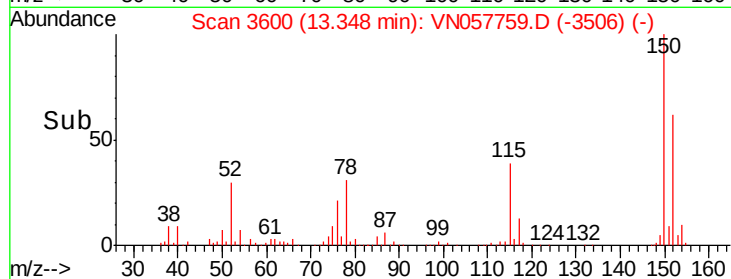
150 157.4 0.0 345.4



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: 0.297 ug/l

RT: 12.04 min Scan# 3193

Delta R.T. -0.03 min

Lab File: VN057759.D

Acq: 7 Sep 2019 17:19

Tgt Ion: 43 Resp: 2106

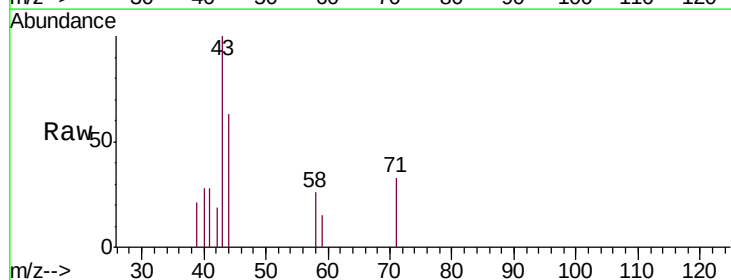
Ion Ratio Lower Upper

43 100

70 0.0 26.1 39.1#

55 7.9 16.3 24.5#

61 0.0 15.0 22.4#

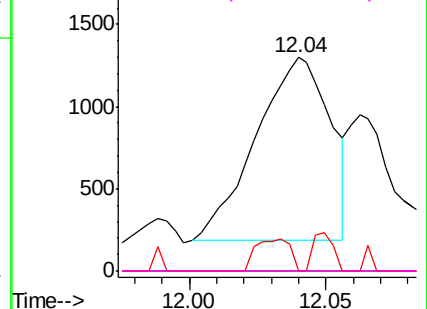
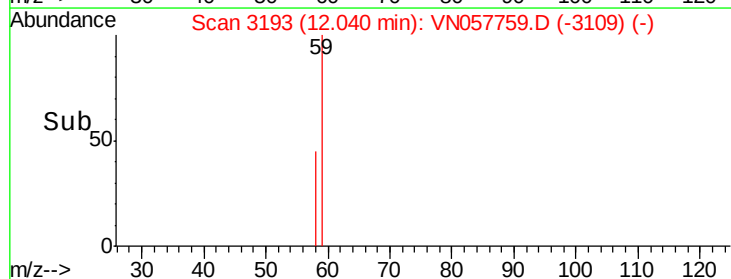


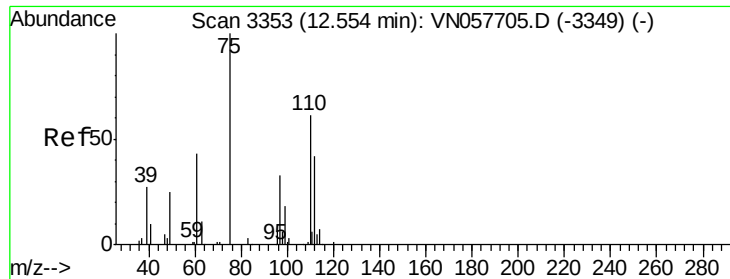
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 32.688 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057759.D

Acq: 7 Sep 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

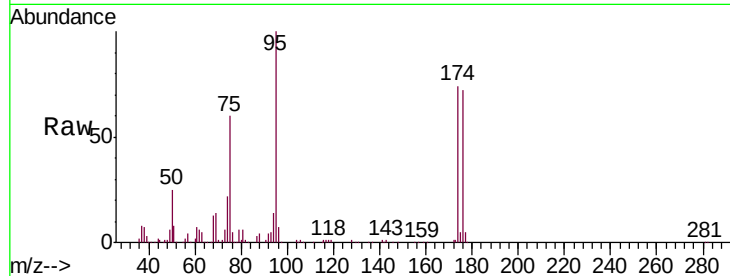
T12-D1-(0)

Tgt Ion: 75 Resp: 120574

Ion Ratio Lower Upper

75 100

77 0.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

80000

60000

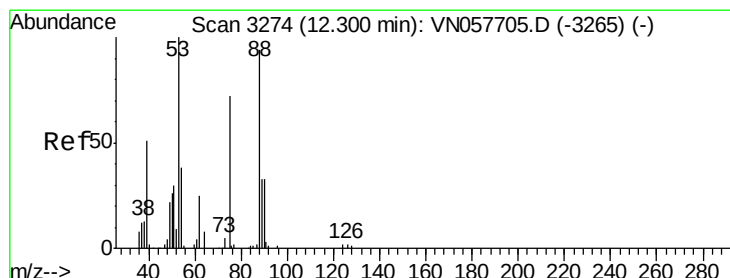
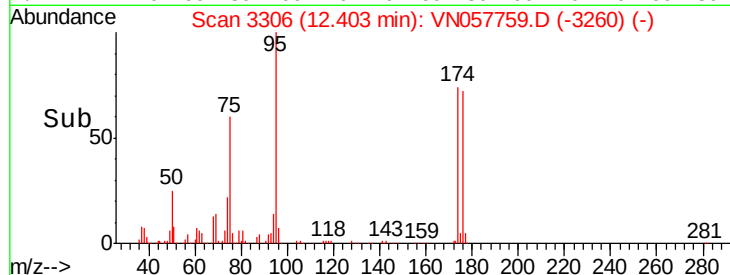
40000

20000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 101.661 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057759.D

Acq: 7 Sep 2019 17:19

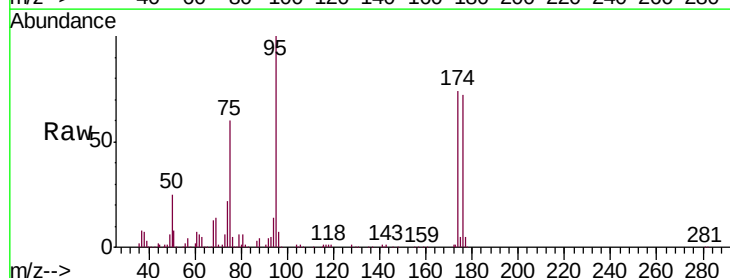
Tgt Ion: 75 Resp: 120574

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

80000

60000

40000

20000

0

12.35 12.40 12.45

Time-->

