

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
 Data File : VN057957.D
 Acq On : 12 Sep 2019 10:07
 Operator : JC/SP
 Sample : PB122974TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB122974TB

Quant Time: Sep 13 04:41:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	222933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	417113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	369824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	168632	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	332614	73.66	ug/l	0.00
Spiked Amount			Recovery	=	147.32%	
35) Dibromofluoromethane	7.57	113	220762	57.34	ug/l	0.00
Spiked Amount			Recovery	=	114.68%	
50) Toluene-d8	10.09	98	737583	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.40	95	234906	41.24	ug/l	0.00
Spiked Amount			Recovery	=	82.48%	

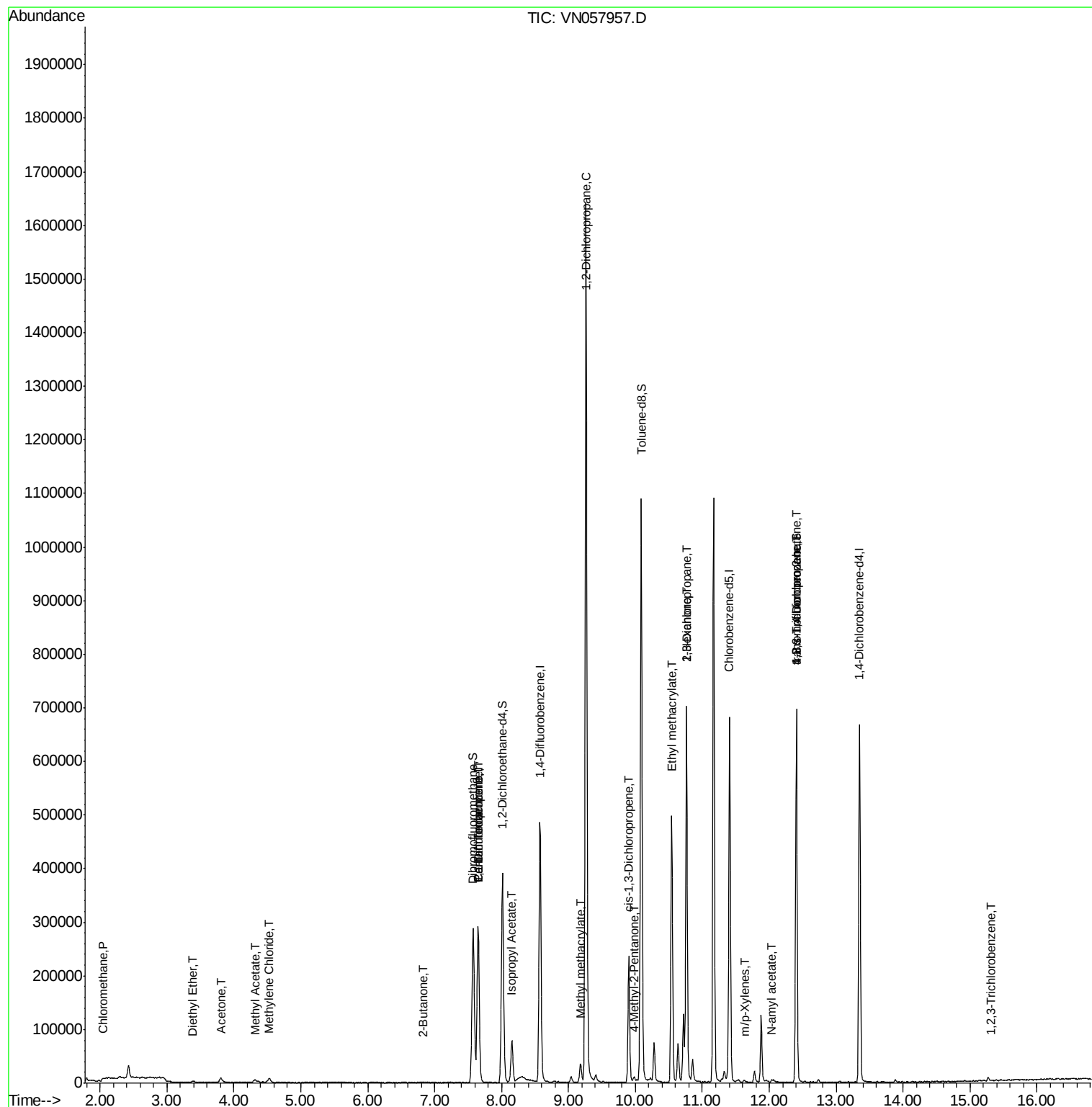
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	713	0.227	ug/l #	72
5) Bromomethane	2.54	94	444	Below Cal	#	2
8) Diethyl Ether	3.39	74	1220	0.699	ug/l	67
16) Acetone	3.81	43	15094	10.197	ug/l	100
18) Methyl Acetate	4.31	43	8940	2.265	ug/l #	89
20) Methylene Chloride	4.53	84	5461	0.725	ug/l	92
25) 2-Butanone	6.83	43	1335	0.623	ug/l	95
31) Cyclohexane	7.65	56	6422	Below Cal	#	40
36) 1,1-Dichloropropene	7.64	75	19413	4.013	ug/l #	46
38) Carbon Tetrachloride	7.65	117	23777	5.384	ug/l #	17
43) Isopropyl Acetate	8.15	43	91423	10.877	ug/l #	91
45) 1,2-Dichloropropane	9.26	63	1808	0.427	ug/l #	44
48) Methyl methacrylate	9.17	41	6144	1.441	ug/l #	13
51) 4-Methyl-2-Pentanone	9.99	43	6421	1.291	ug/l	100
54) cis-1,3-Dichloropropene	9.90	75	39804	6.695	ug/l #	70
56) Ethyl methacrylate	10.54	69	1607	0.275	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	6888	1.029	ug/l #	43
59) 2-Hexanone	10.76	43	108451	29.091	ug/l #	53
68) m/p-Xylenes	11.63	106	1345	0.216	ug/l	84
74) N-amyl acetate	12.04	43	2383	0.418	ug/l #	50
76) 1,2,3-Trichloropropane	12.41	75	127619	33.454	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	127619	117.726	ug/l #	6
95) Naphthalene	15.14	128	1830	Below Cal	#	78
96) 1,2,3-Trichlorobenzene	15.31	180	415	1.117	ug/l #	37

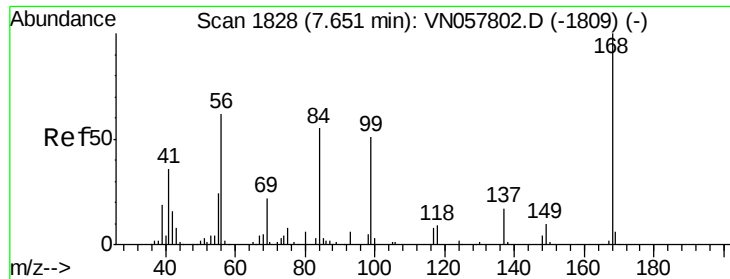
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
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Quant Time: Sep 13 04:41:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057957.D

Acq: 12 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampled :

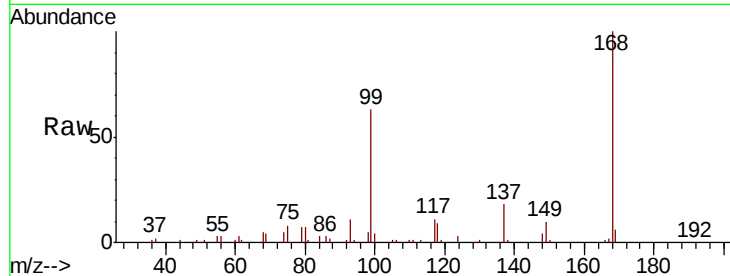
PB122974TB

Tgt Ion:168 Resp: 222933

Ion Ratio Lower Upper

168 100

99 63.0 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)

7.65

100000

80000

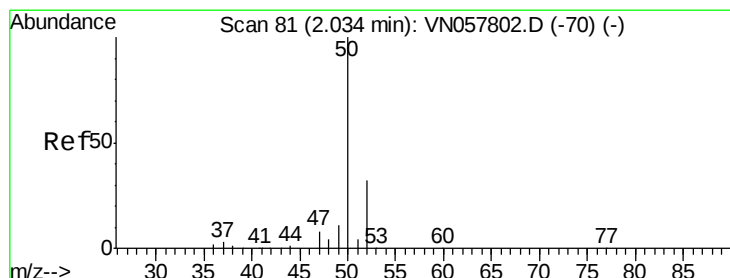
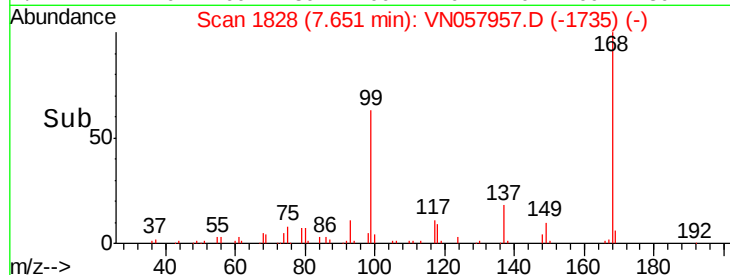
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.227 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057957.D

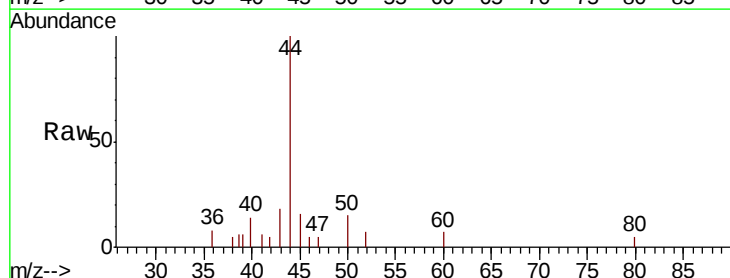
Acq: 12 Sep 2019 10:07

Tgt Ion: 50 Resp: 713

Ion Ratio Lower Upper

50 100

52 47.7 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VN057802.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN057802.D (-70) (-)

2.03

600

500

400

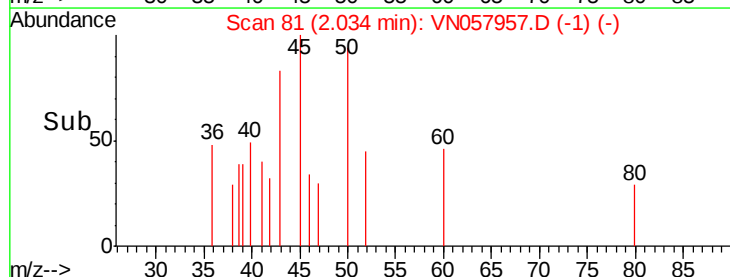
300

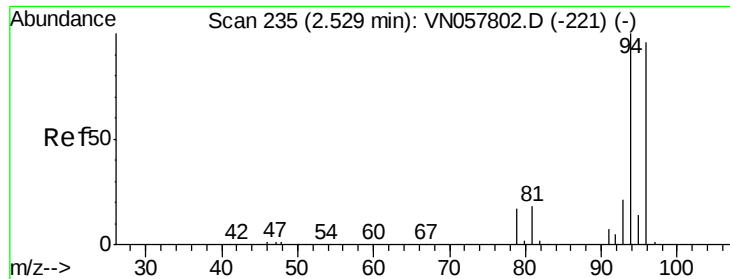
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057957.D

Acq: 12 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

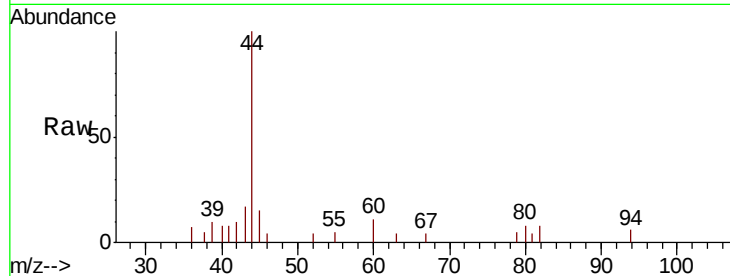
PB122974TB

Tgt Ion: 94 Resp: 444

Ion Ratio Lower Upper

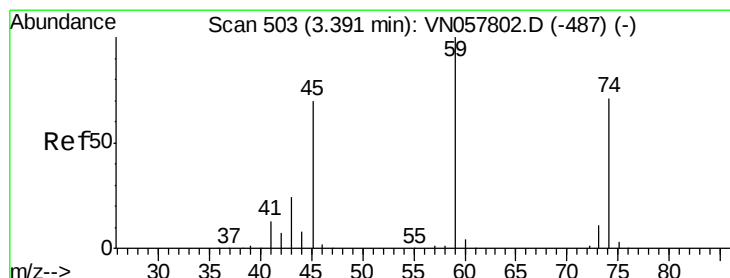
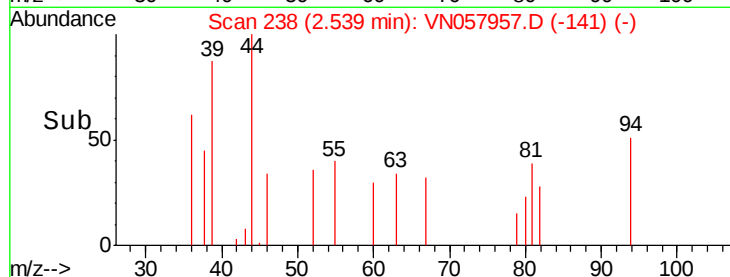
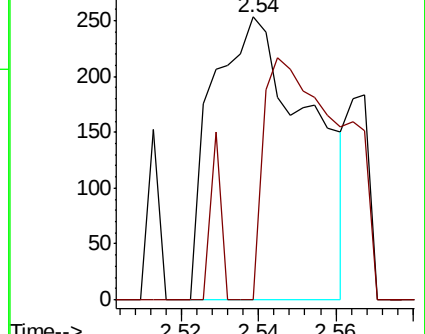
94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#8

Diethyl Ether

Concen: 0.699 ug/l

RT: 3.39 min Scan# 504

Delta R.T. 0.00 min

Lab File: VN057957.D

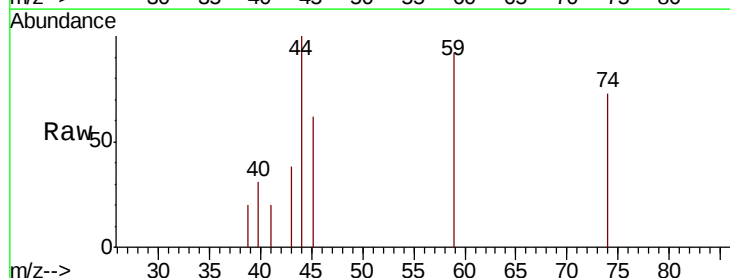
Acq: 12 Sep 2019 10:07

Tgt Ion: 74 Resp: 1220

Ion Ratio Lower Upper

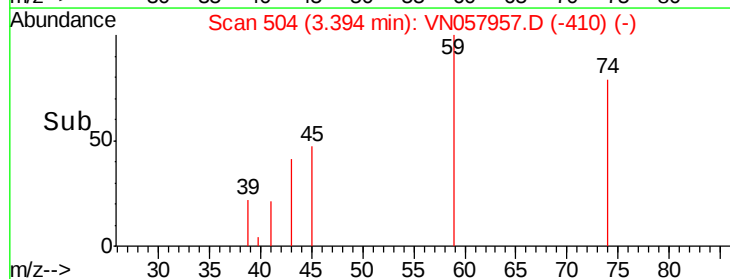
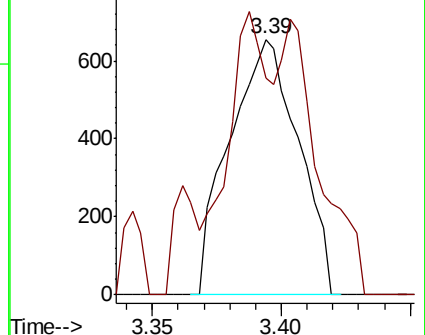
74 100

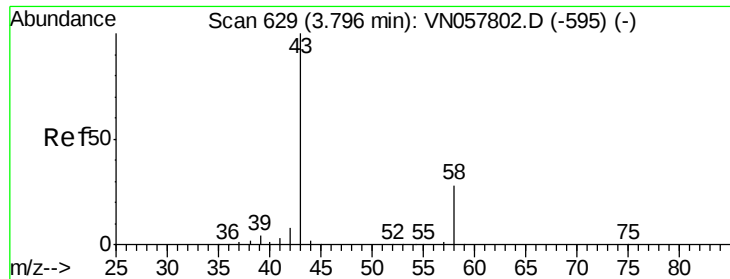
45 68.0 50.3 151.0



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#16

Acetone

Concen: 10.197 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057957.D

Acq: 12 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

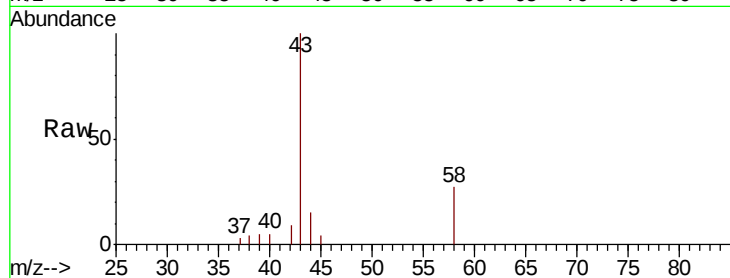
PB122974TB

Tgt Ion: 43 Resp: 15094

Ion Ratio Lower Upper

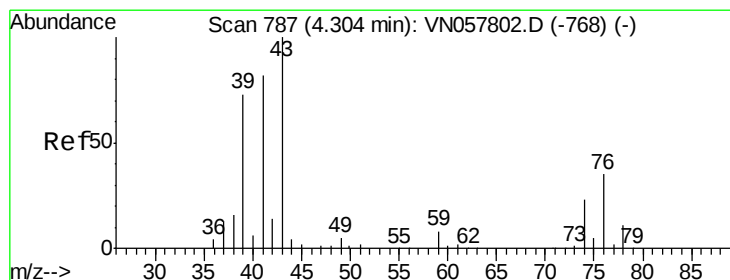
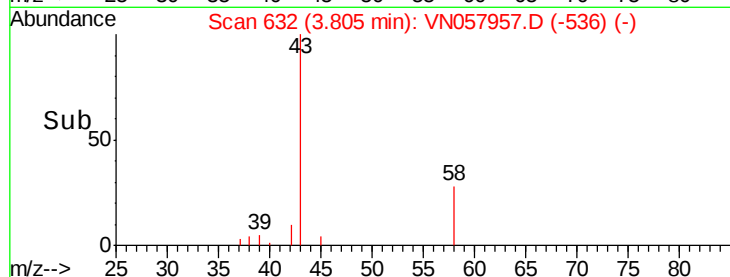
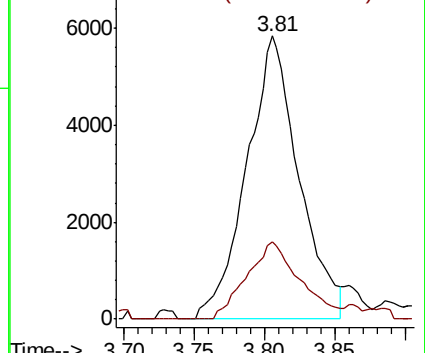
43 100

58 27.5 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 2.265 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN057957.D

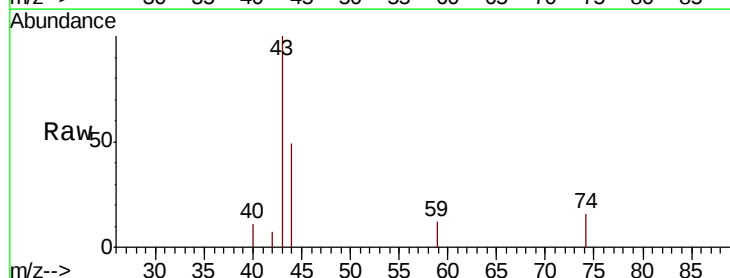
Acq: 12 Sep 2019 10:07

Tgt Ion: 43 Resp: 8940

Ion Ratio Lower Upper

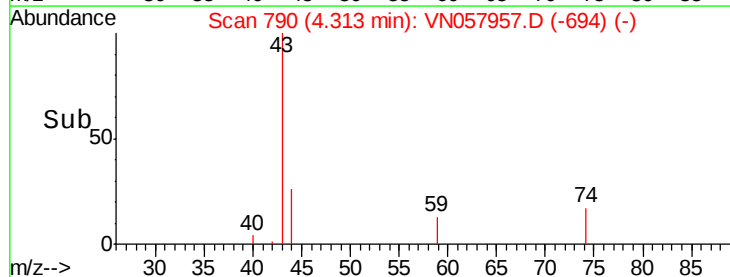
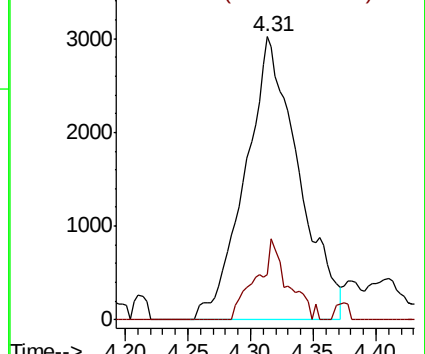
43 100

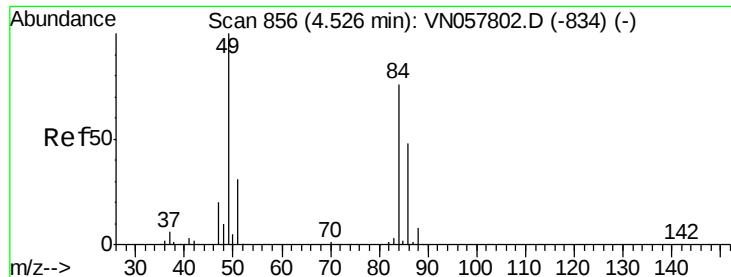
74 16.9 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

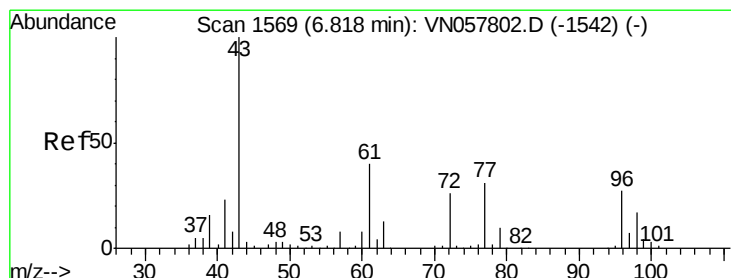
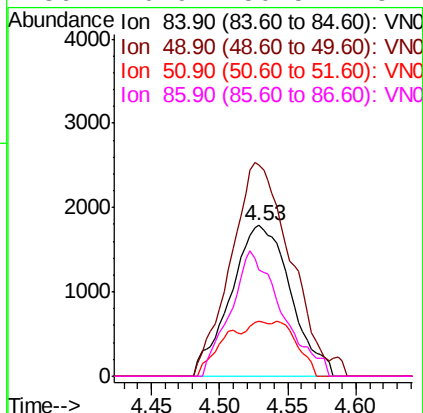
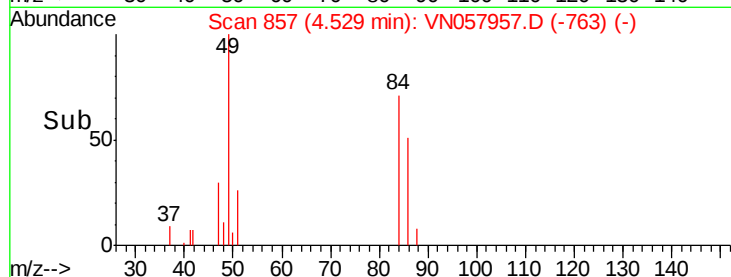
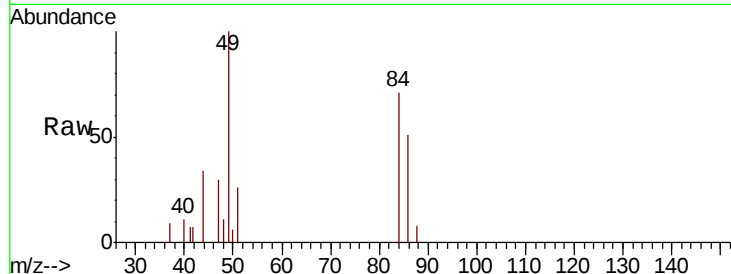




#20
Methylene Chloride
Concen: 0.725 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057957.D
Acq: 12 Sep 2019 10:07

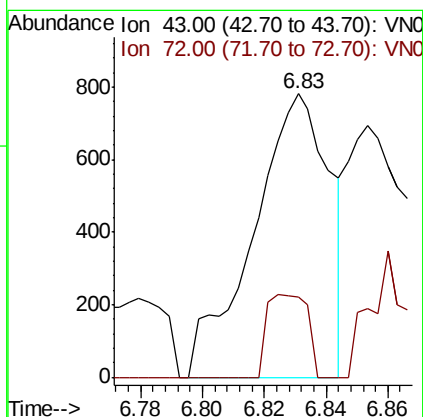
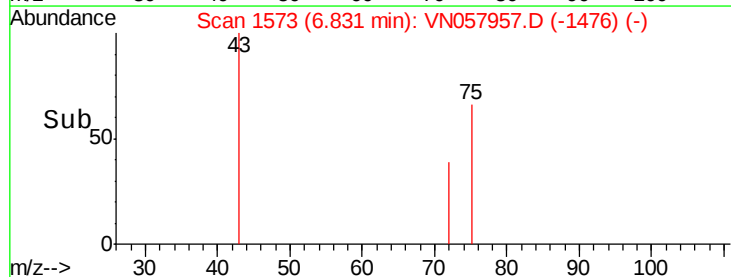
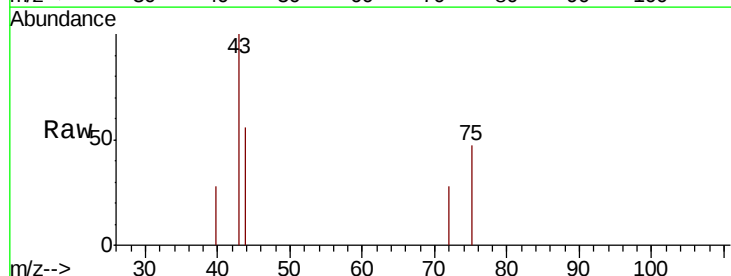
Instrument :
MSVOA_N
ClientSampleId :
PB122974TB

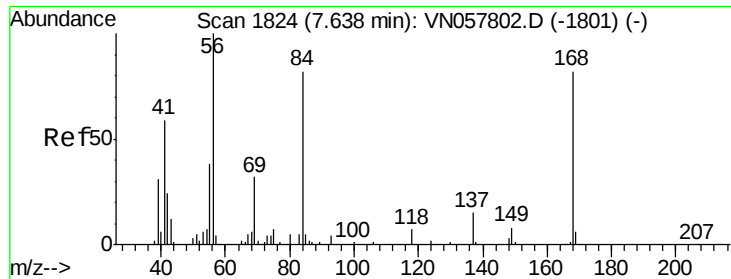
Tgt Ion:	84	Resp:	5461
Ion	Ratio	Lower	Upper
84	100		
49	140.0	104.8	157.2
51	36.7	33.0	49.4
86	70.9	50.5	75.7



#25
2-Butanone
Concen: 0.623 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN057957.D
Acq: 12 Sep 2019 10:07

Tgt Ion:	43	Resp:	1335
Ion	Ratio	Lower	Upper
43	100		
72	28.2	20.6	30.8

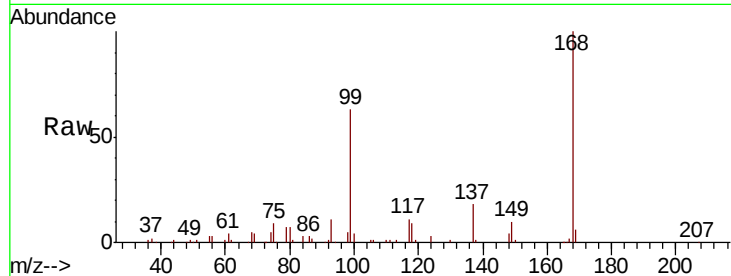




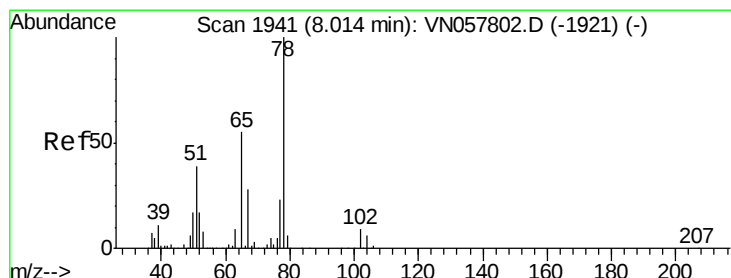
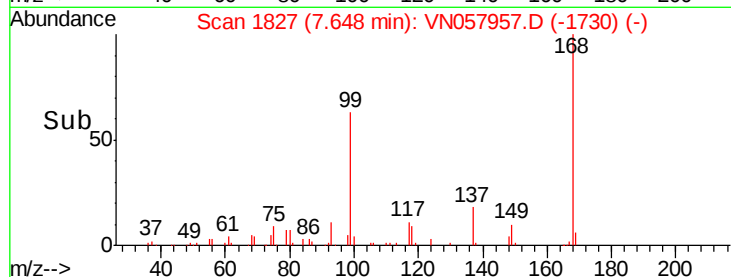
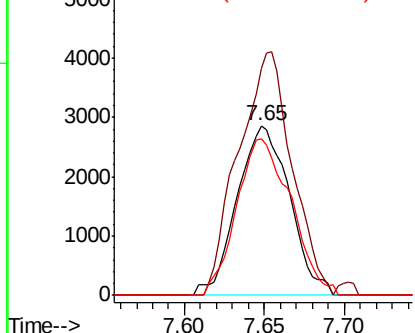
#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057957.D
Acq: 12 Sep 2019 10:07

Instrument :
MSVOA_N
ClientSampled :
PB122974TB

Tgt Ion: 56 Resp: 6422
Ion Ratio Lower Upper
56 100
69 134.1 25.9 38.9#
84 92.8 65.6 98.4

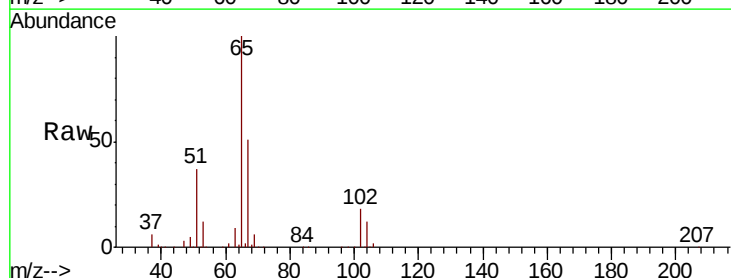


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

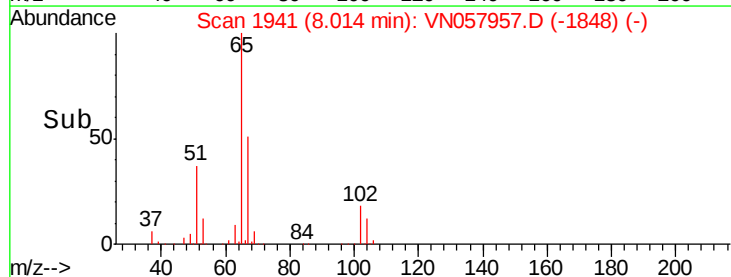
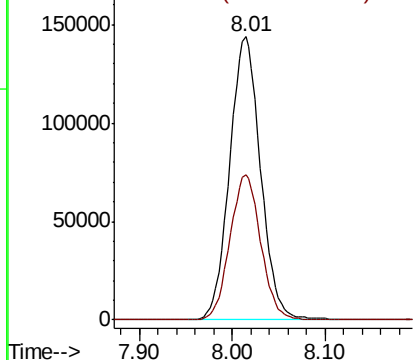


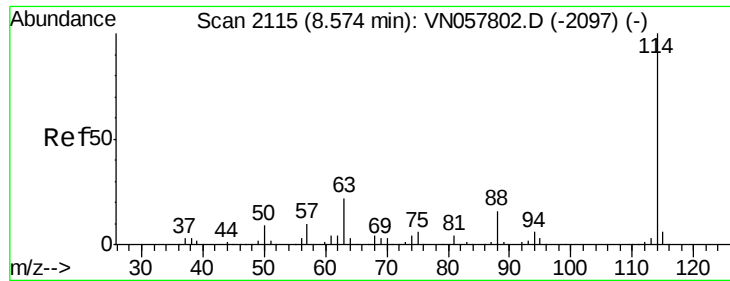
#33
1,2-Dichloroethane-d4
Concen: 73.663 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057957.D
Acq: 12 Sep 2019 10:07

Tgt Ion: 65 Resp: 332614
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.0



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

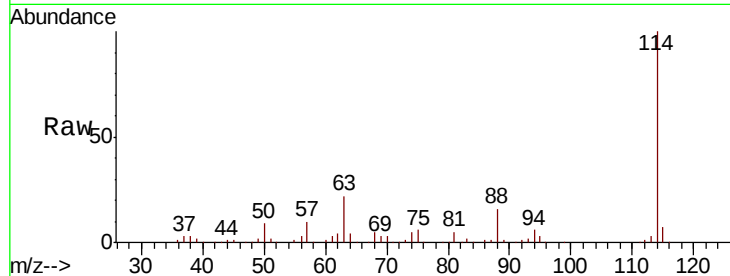




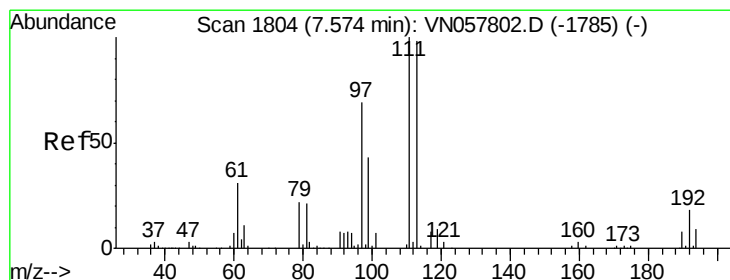
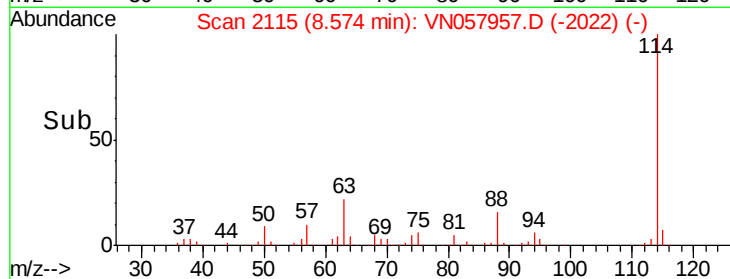
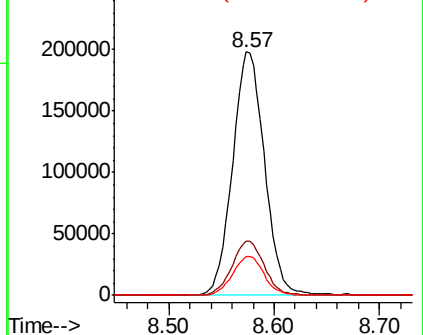
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057957.D
 Acq: 12 Sep 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 PB122974TB

Tgt Ion:114 Resp: 417113
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.0
 88 15.8 0.0 31.4

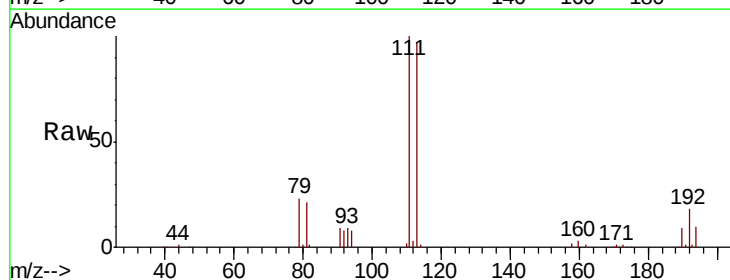


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

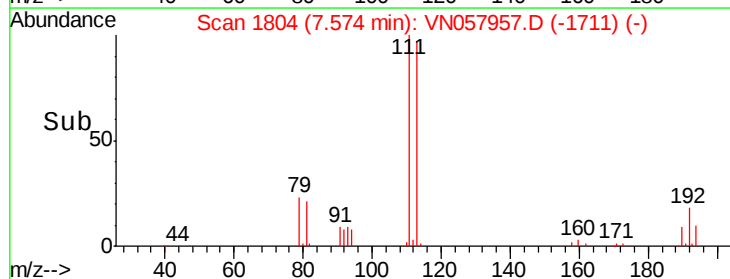
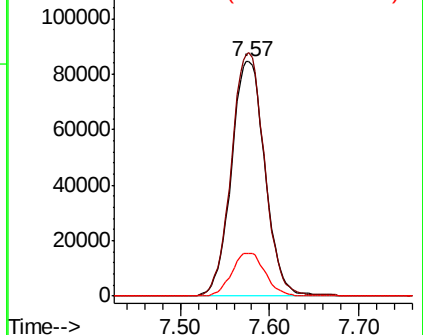


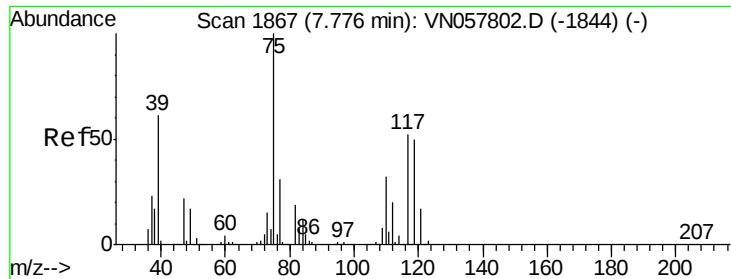
#35
 Dibromofluoromethane
 Concen: 57.344 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057957.D
 Acq: 12 Sep 2019 10:07

Tgt Ion:113 Resp: 220762
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.3 121.9
 192 18.1 14.6 22.0



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

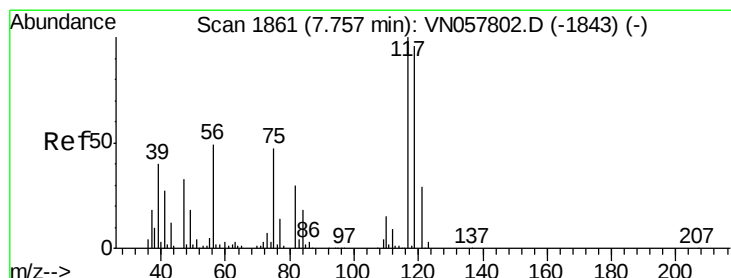
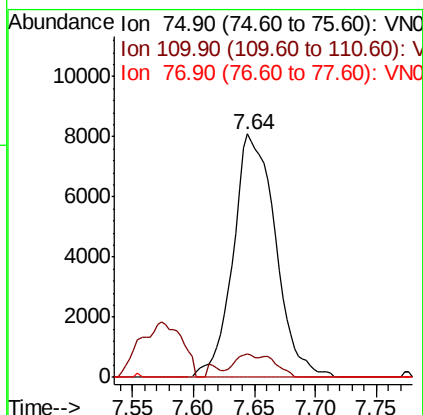
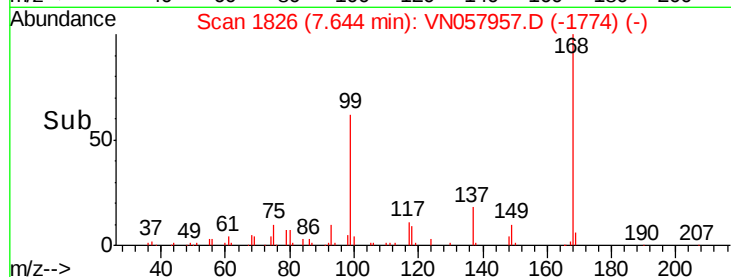
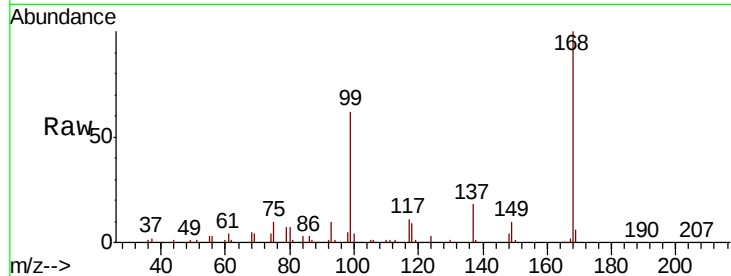




#36
 1,1-Dichloropropene
 Concen: 4.013 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN057957.D
 Acq: 12 Sep 2019 10:07

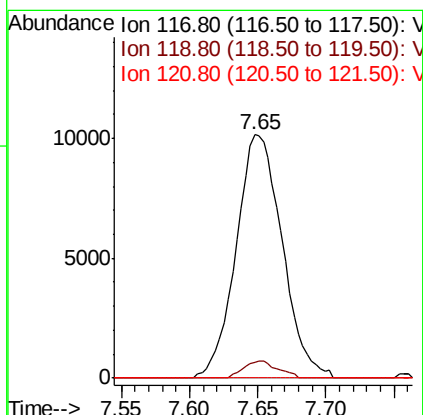
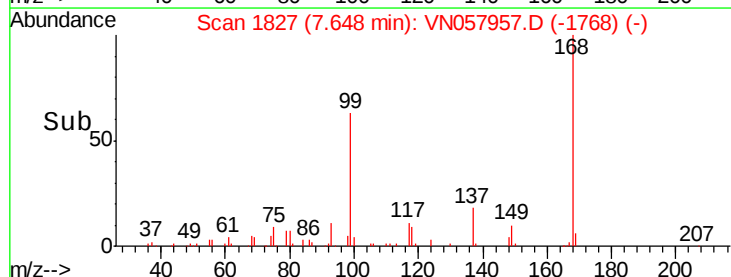
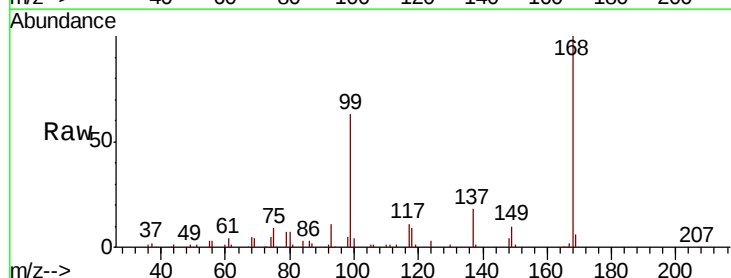
Instrument :
 MSVOA_N
 ClientSampleId :
 PB122974TB

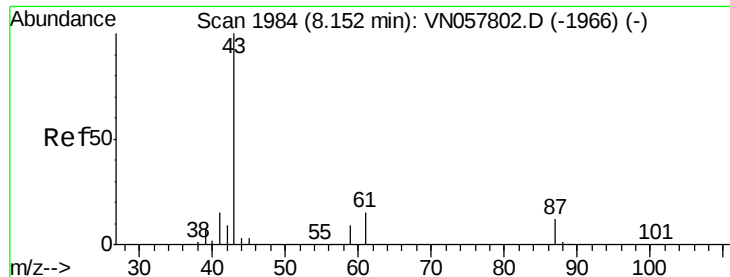
Tgt Ion: 75 Resp: 19413
 Ion Ratio Lower Upper
 75 100
 110 3.6 16.3 48.9#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.384 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN057957.D
 Acq: 12 Sep 2019 10:07

Tgt Ion: 117 Resp: 23777
 Ion Ratio Lower Upper
 117 100
 119 6.2 76.9 115.3#
 121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 10.877 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057957.D

Acq: 12 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampled :

PB122974TB

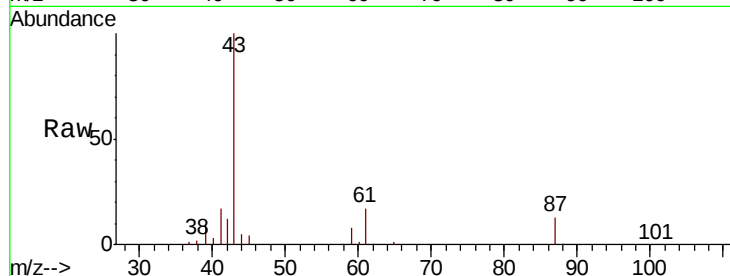
Tgt Ion: 43 Resp: 91423

Ion Ratio Lower Upper

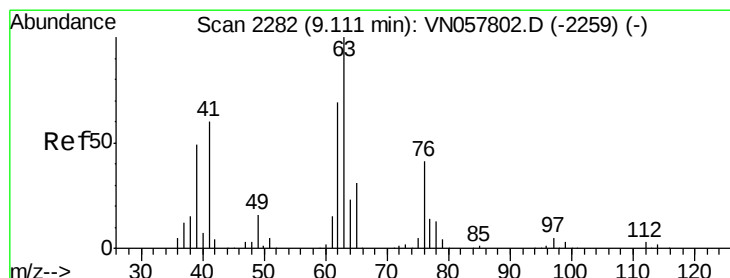
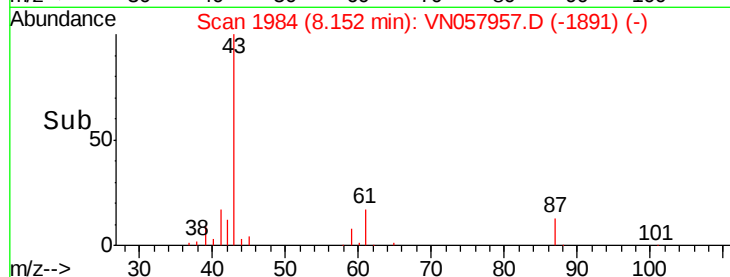
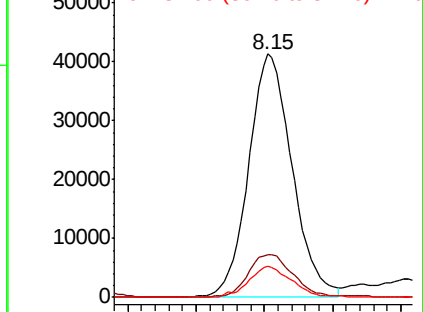
43 100

61 18.3 20.1 30.1#

87 12.3 9.5 14.3



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



#45

1,2-Dichloropropane

Concen: 0.427 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.15 min

Lab File: VN057957.D

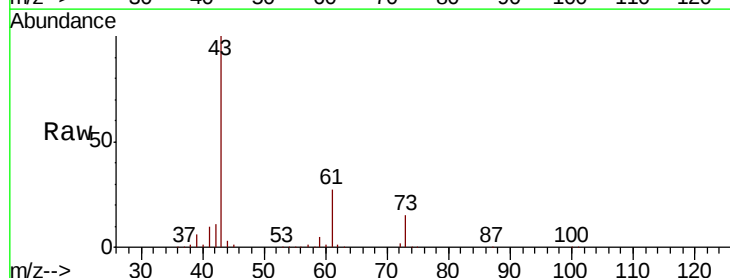
Acq: 12 Sep 2019 10:07

Tgt Ion: 63 Resp: 1808

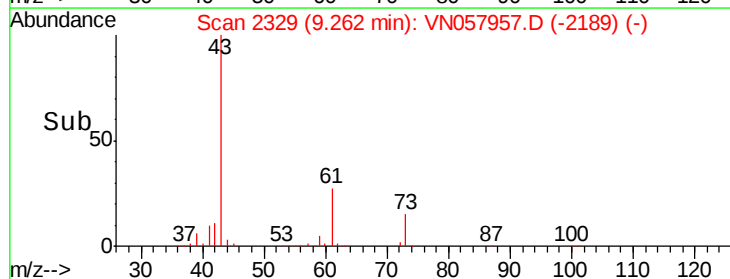
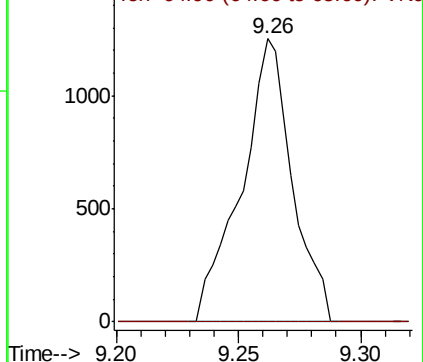
Ion Ratio Lower Upper

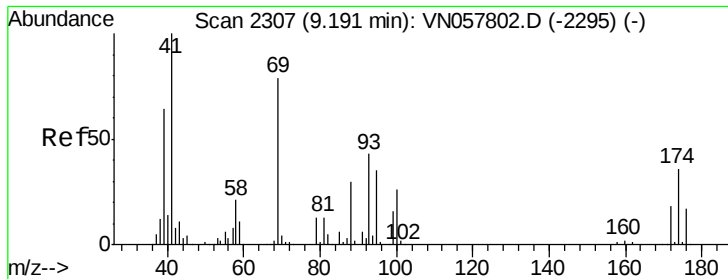
63 100

65 0.0 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO

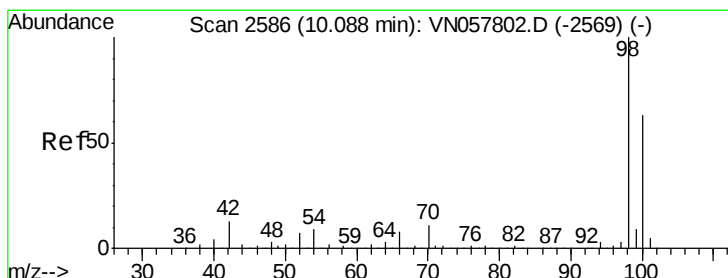
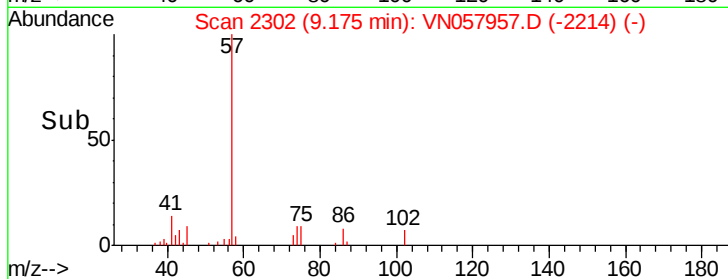
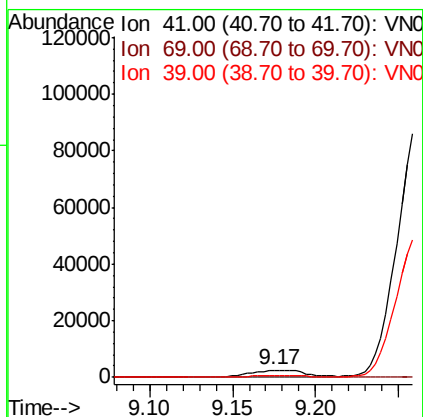
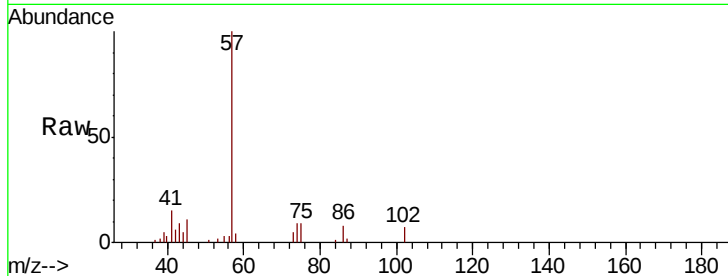




#48
Methyl methacrylate
Concen: 1.441 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN057957.D
Acq: 12 Sep 2019 10:07

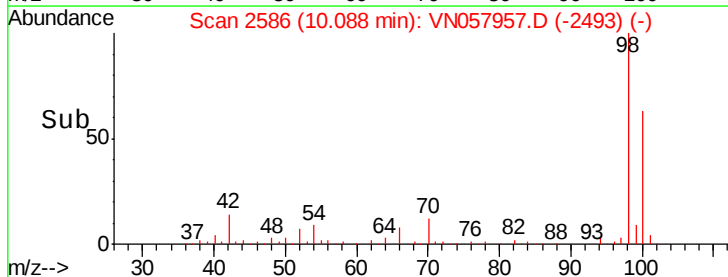
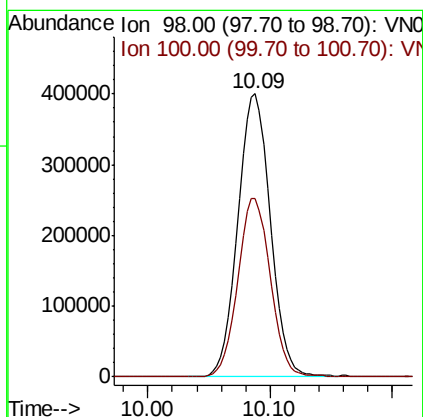
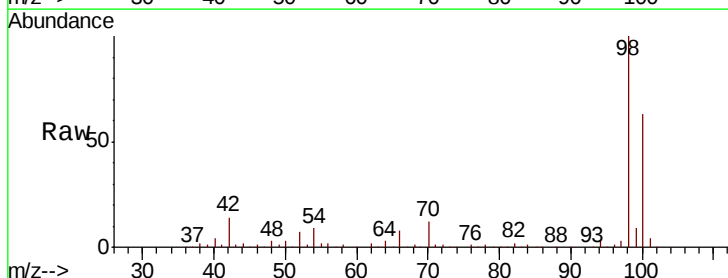
Instrument :
MSVOA_N
ClientSampleId :
PB122974TB

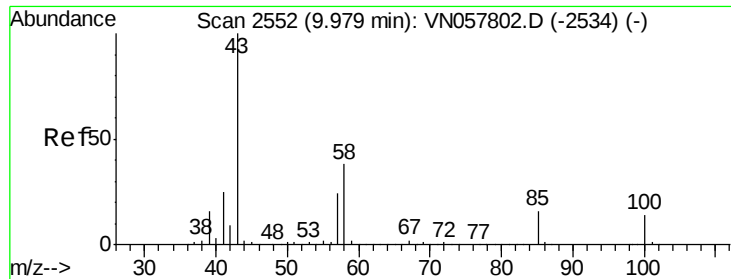
Tgt Ion: 41 Resp: 6144
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 0.0 52.7 79.1#



#50
Toluene-d8
Concen: 49.347 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057957.D
Acq: 12 Sep 2019 10:07

Tgt Ion: 98 Resp: 737583
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 1.291 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN057957.D

Acq: 12 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

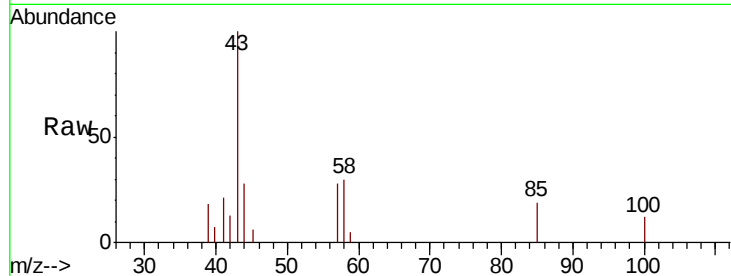
PB122974TB

Tgt Ion: 43 Resp: 6421

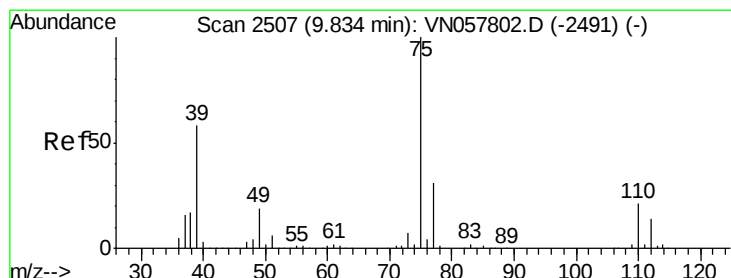
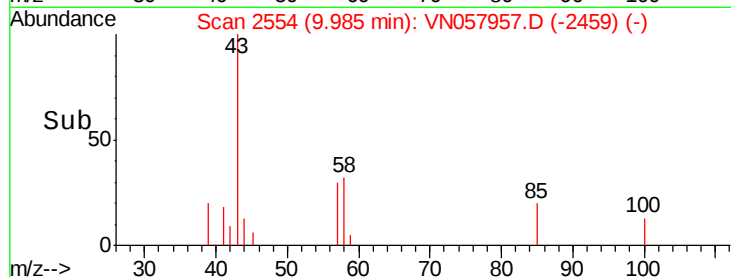
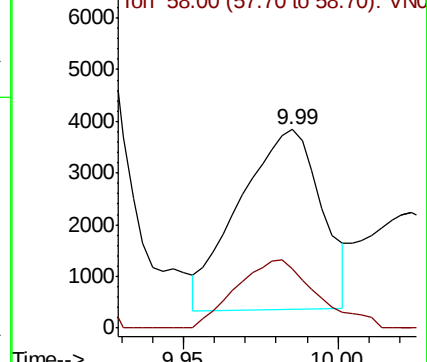
Ion Ratio Lower Upper

43 100

58 37.4 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)



#54

cis-1,3-Dichloropropene

Concen: 6.695 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057957.D

Acq: 12 Sep 2019 10:07

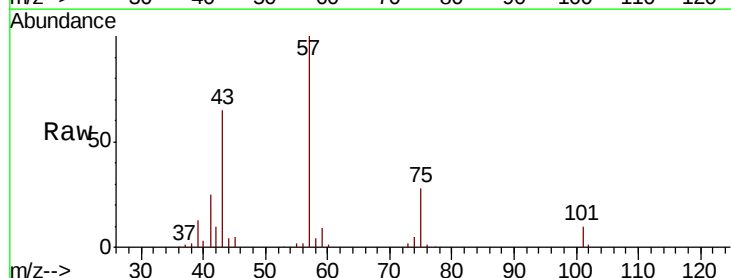
Tgt Ion: 75 Resp: 39804

Ion Ratio Lower Upper

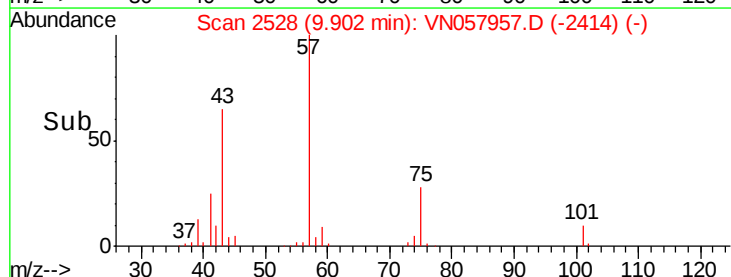
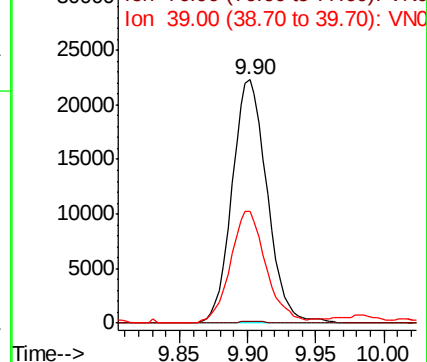
75 100

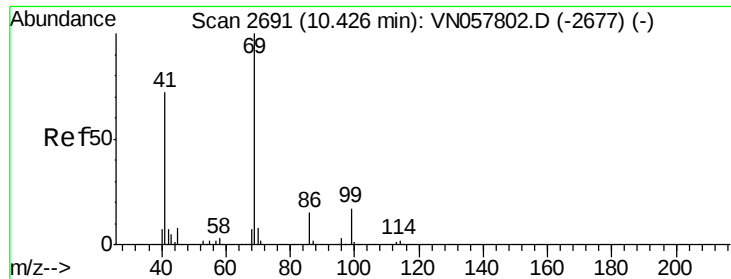
77 0.7 24.8 37.2#

39 45.7 46.2 69.4#



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-2491) (-)





#56

Ethyl methacrylate

Concen: 0.275 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN057957.D

Acq: 12 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

PB122974TB

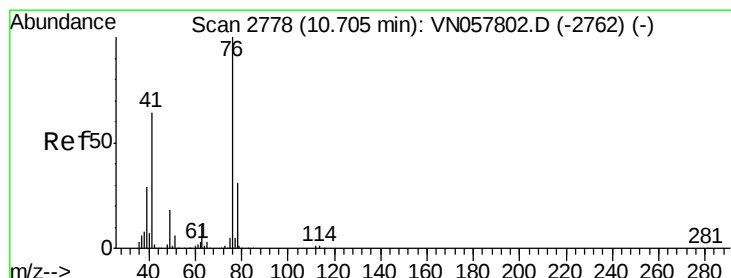
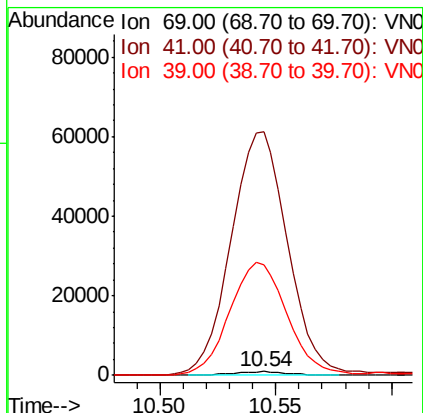
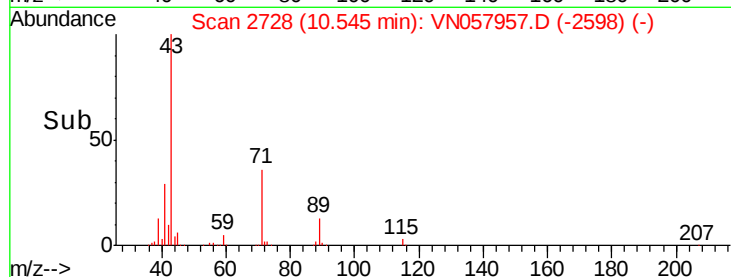
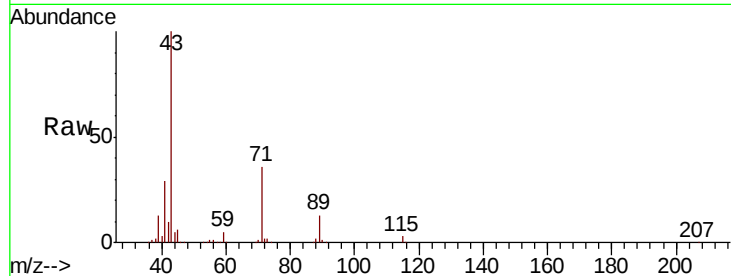
Tgt Ion: 69 Resp: 1607

Ion Ratio Lower Upper

69 100

41 6503.1 56.7 85.1#

39 3053.9 36.3 54.5#



#57

1,3-Dichloropropane

Concen: 1.029 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057957.D

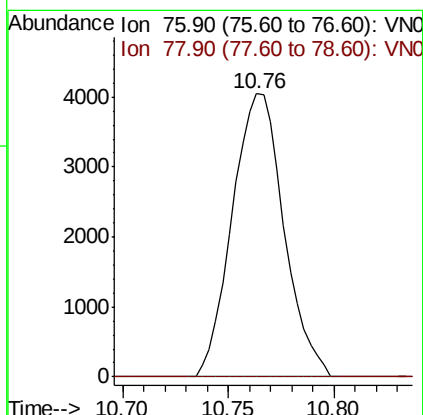
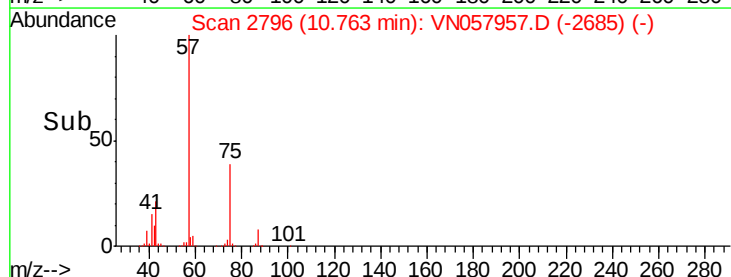
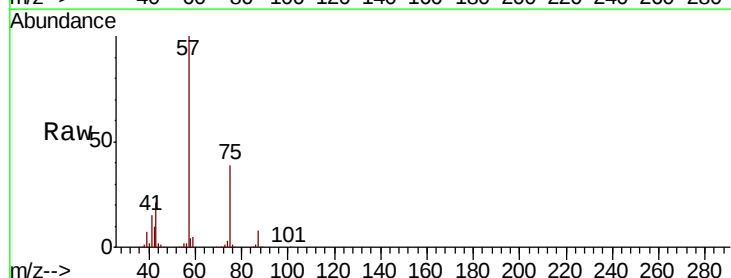
Acq: 12 Sep 2019 10:07

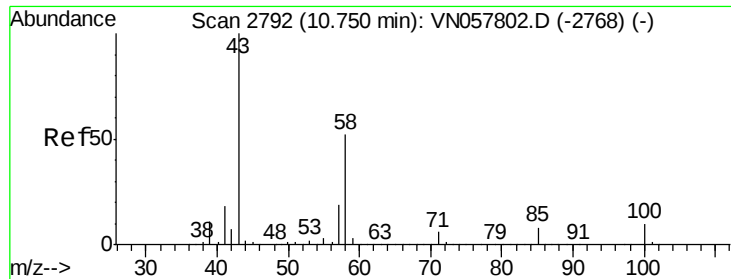
Tgt Ion: 76 Resp: 6888

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.2#

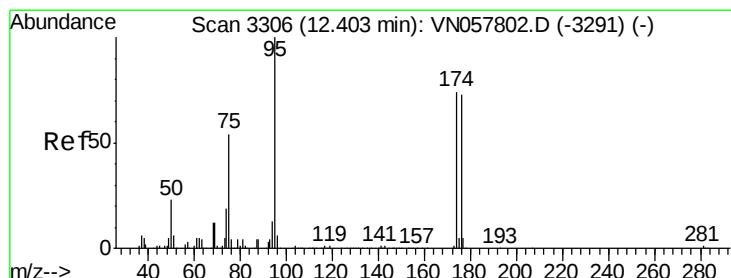
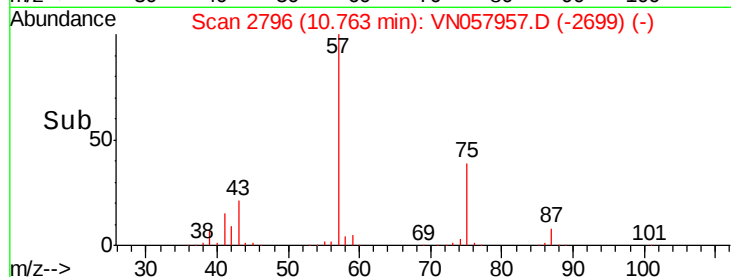
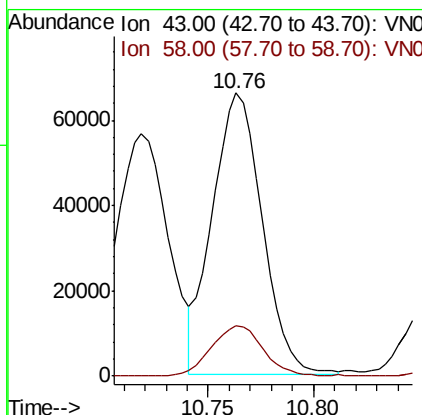
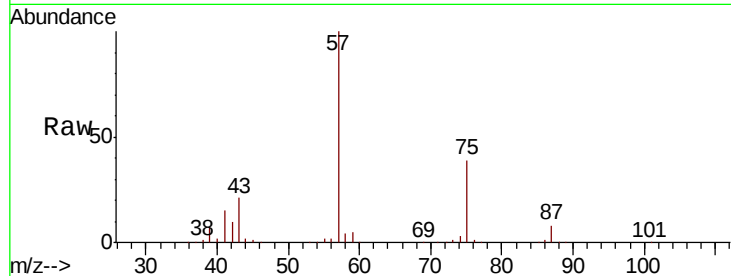




#59
 2-Hexanone
 Concen: 29.091 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN057957.D
 Acq: 12 Sep 2019 10:07

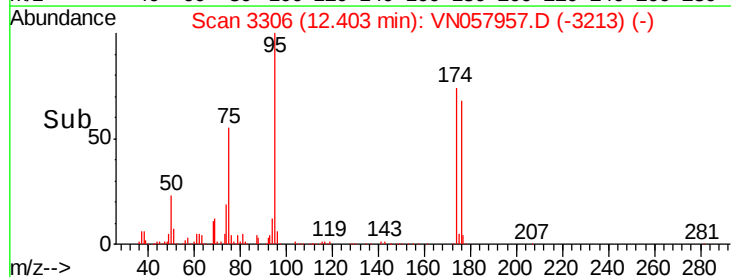
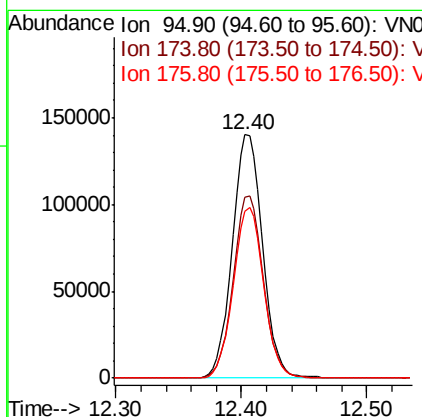
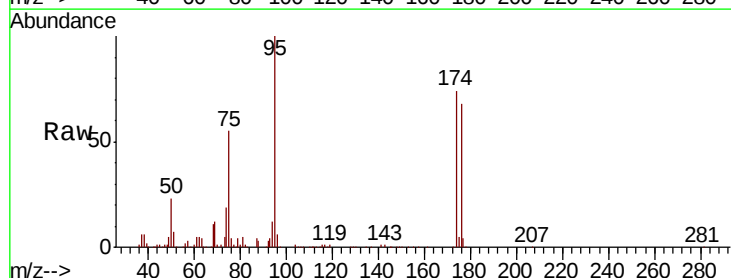
Instrument :
 MSVOA_N
 ClientSampleId :
 PB122974TB

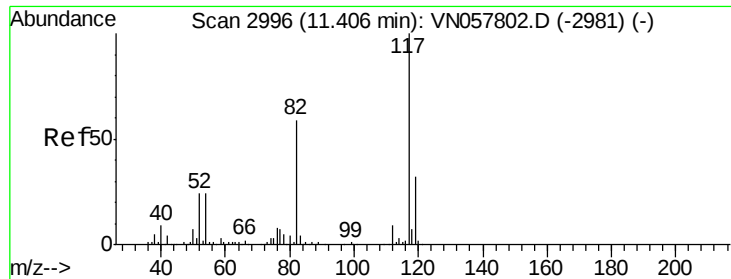
Tgt Ion: 43 Resp: 108451
 Ion Ratio Lower Upper
 43 100
 58 18.6 25.6 76.8#



#62
 4-Bromofluorobenzene
 Concen: 41.240 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057957.D
 Acq: 12 Sep 2019 10:07

Tgt Ion: 95 Resp: 234906
 Ion Ratio Lower Upper
 95 100
 174 74.4 0.0 150.2
 176 70.9 0.0 146.0

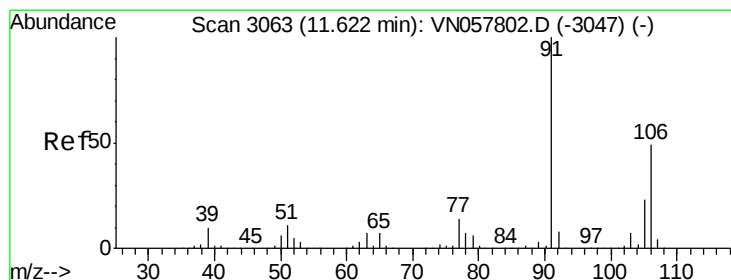
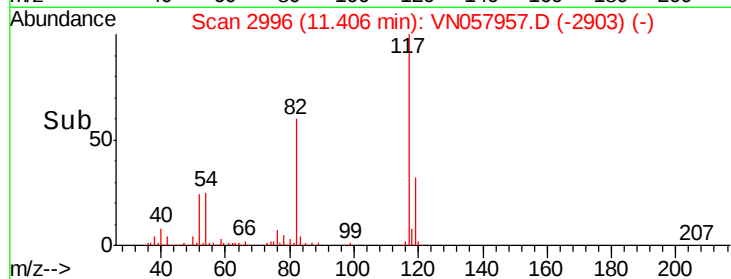
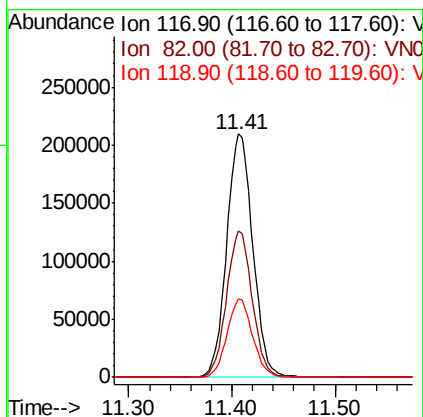
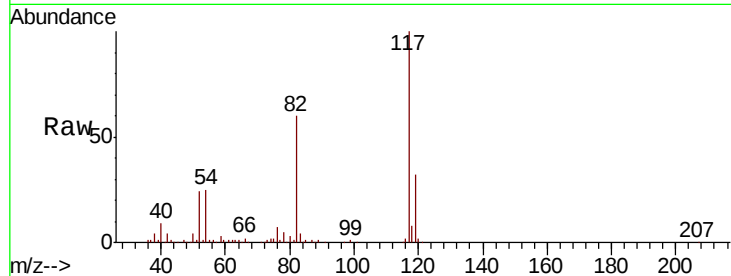




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057957.D
Acq: 12 Sep 2019 10:07

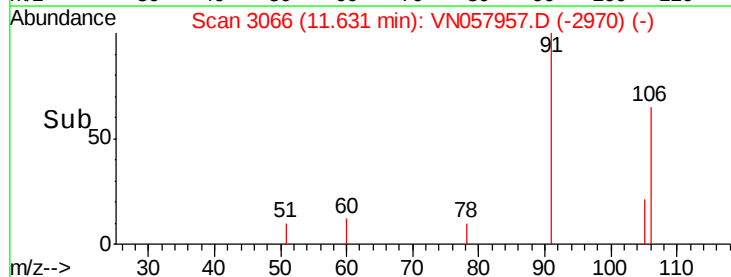
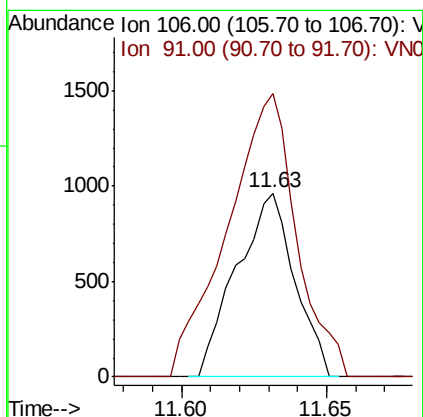
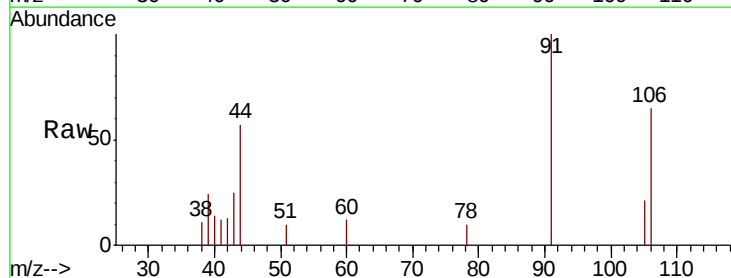
Instrument :
MSVOA_N
ClientSampled :
PB122974TB

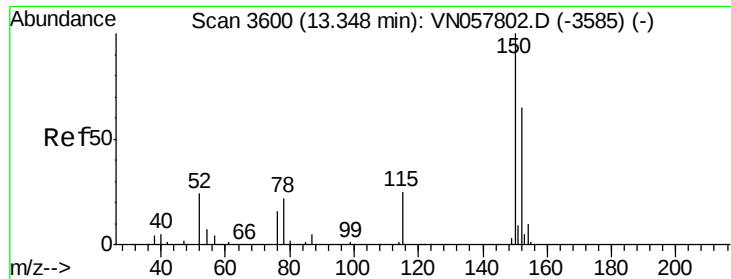
Tgt Ion:117 Resp: 369824
Ion Ratio Lower Upper
117 100
82 60.3 47.2 70.8
119 32.4 25.3 37.9



#68
m/p-Xylenes
Concen: 0.216 ug/l
RT: 11.63 min Scan# 3066
Delta R.T. 0.01 min
Lab File: VN057957.D
Acq: 12 Sep 2019 10:07

Tgt Ion:106 Resp: 1345
Ion Ratio Lower Upper
106 100
91 182.8 165.8 248.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057957.D

Acq: 12 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

PB122974TB

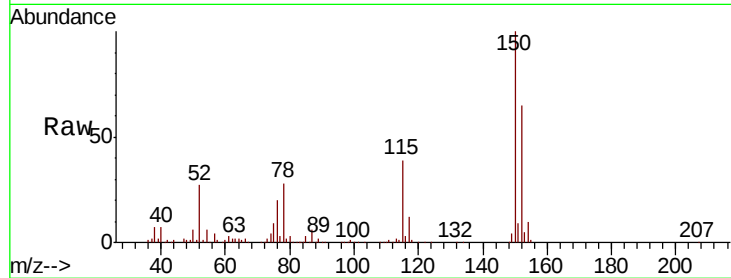
Tgt Ion:152 Resp: 168632

Ion Ratio Lower Upper

152 100

115 61.1 30.3 91.0

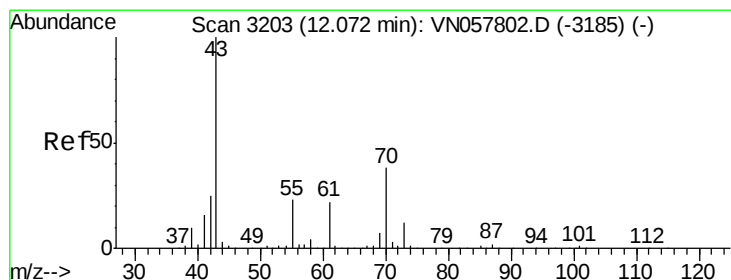
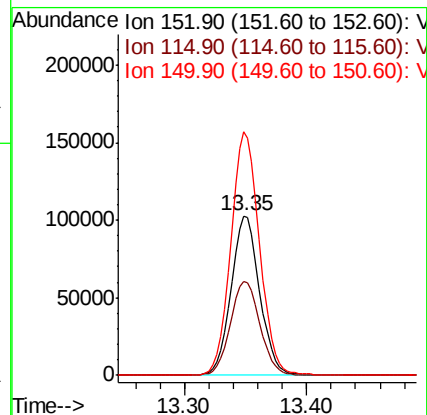
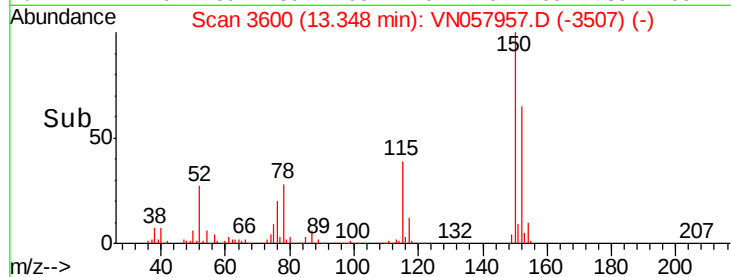
150 152.8 0.0 352.4



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: 0.418 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN057957.D

Acq: 12 Sep 2019 10:07

Tgt Ion: 43 Resp: 2383

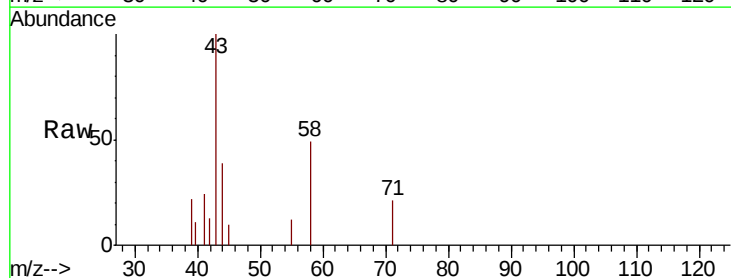
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 8.3 18.6 27.8#

61 0.0 17.4 26.2#

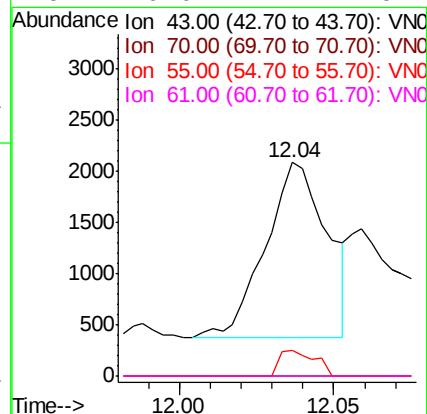
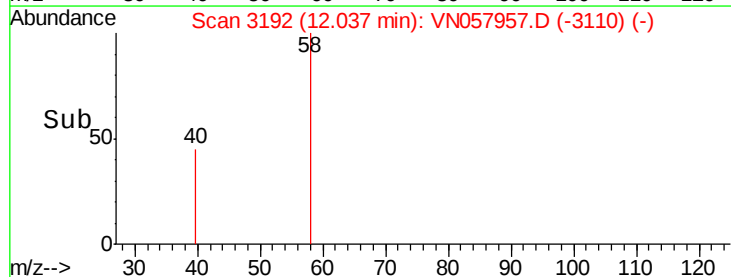


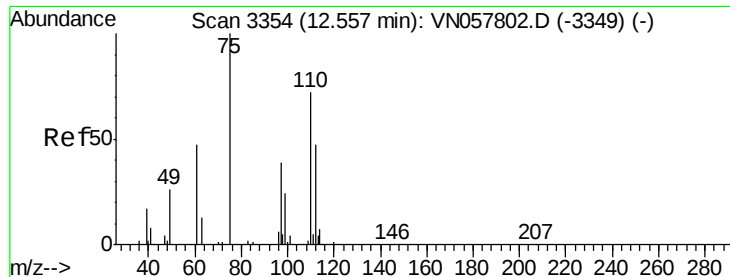
Abundance Ion 43.00 (42.70 to 43.70): V

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: 33.454 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN057957.D

Acq: 12 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

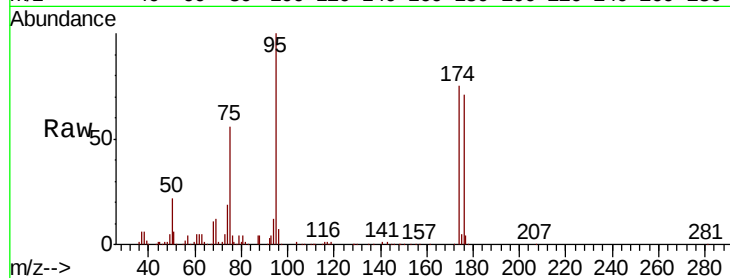
PB122974TB

Tgt Ion: 75 Resp: 127619

Ion Ratio Lower Upper

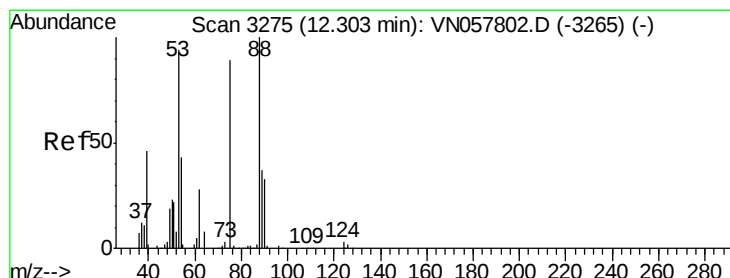
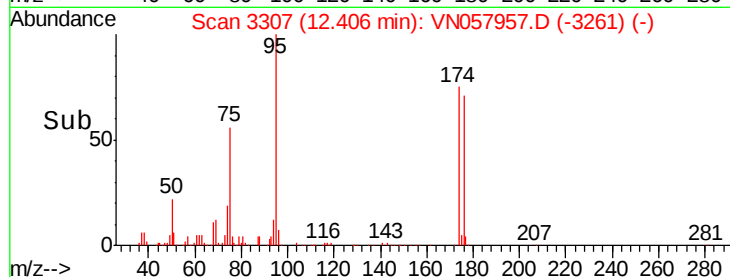
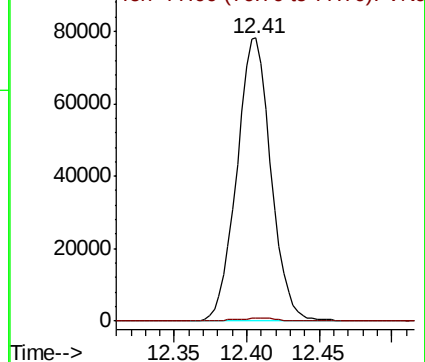
75 100

77 1.2 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: 117.726 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN057957.D

Acq: 12 Sep 2019 10:07

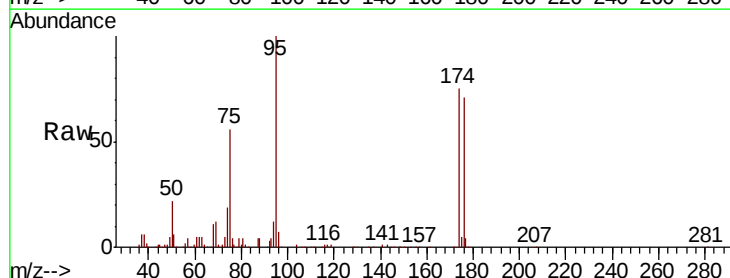
Tgt Ion: 75 Resp: 127619

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

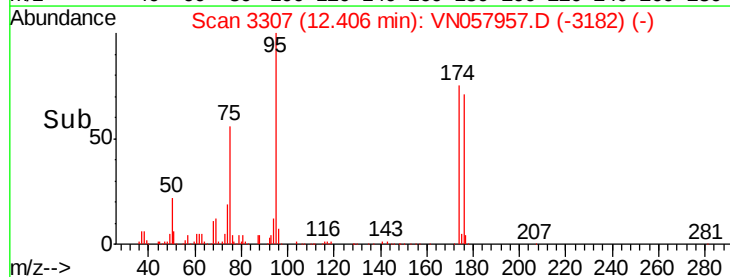
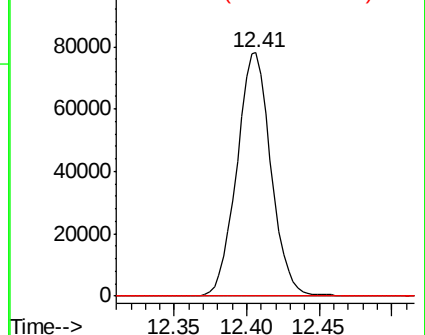
89 0.0 35.3 52.9#

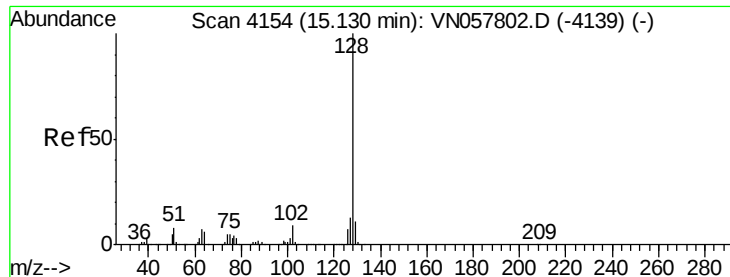


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: Below Cal

RT: 15.14 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN057957.D

Acq: 12 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

PB122974TB

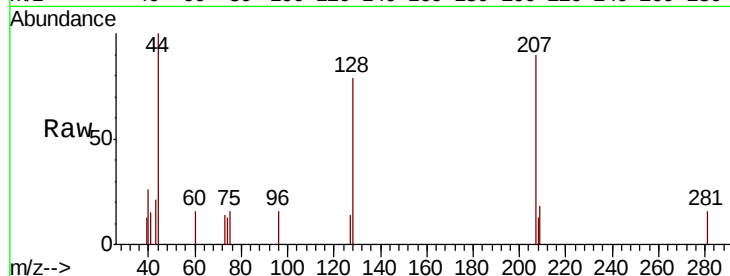
Tgt Ion:128 Resp: 1830

Ion Ratio Lower Upper

128 100

127 6.1 10.3 15.5#

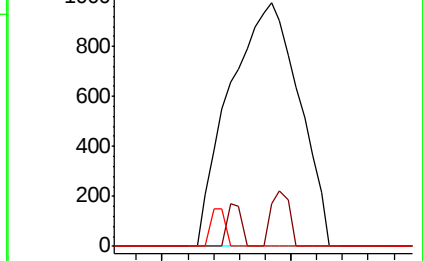
129 0.0 8.6 12.8#



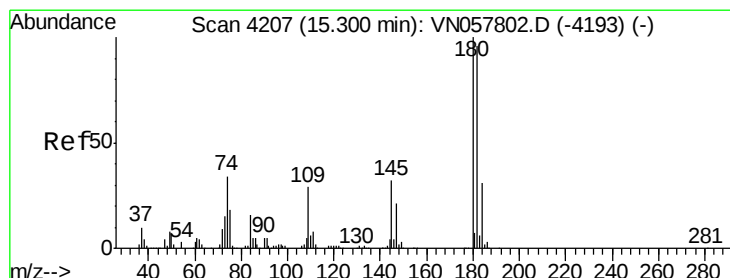
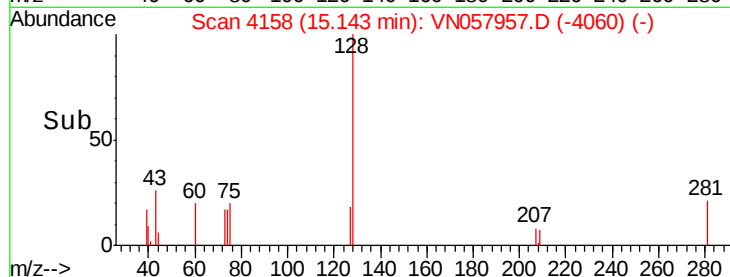
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 1.117 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. 0.01 min

Lab File: VN057957.D

Acq: 12 Sep 2019 10:07

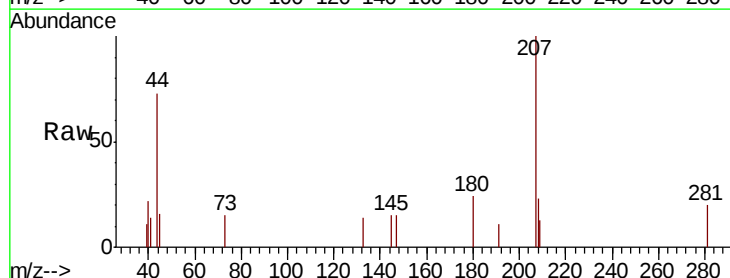
Tgt Ion:180 Resp: 415

Ion Ratio Lower Upper

180 100

182 16.6 48.3 144.8#

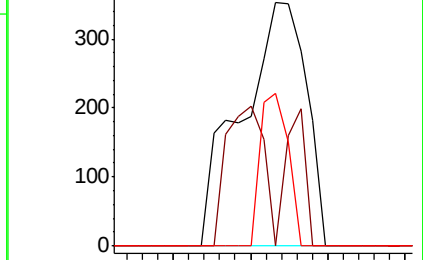
145 27.0 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

