

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
 Data File : VN057974.D
 Acq On : 12 Sep 2019 17:30
 Operator : JC/SP
 Sample : VN0913WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBL02

Quant Time: Sep 13 04:47:24 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	290002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	486678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	438694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	220056	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	316474	53.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.76%	
35) Dibromofluoromethane	7.57	113	216312	48.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.32%	
50) Toluene-d8	10.09	98	859387	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.41	95	276274	41.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.14%	

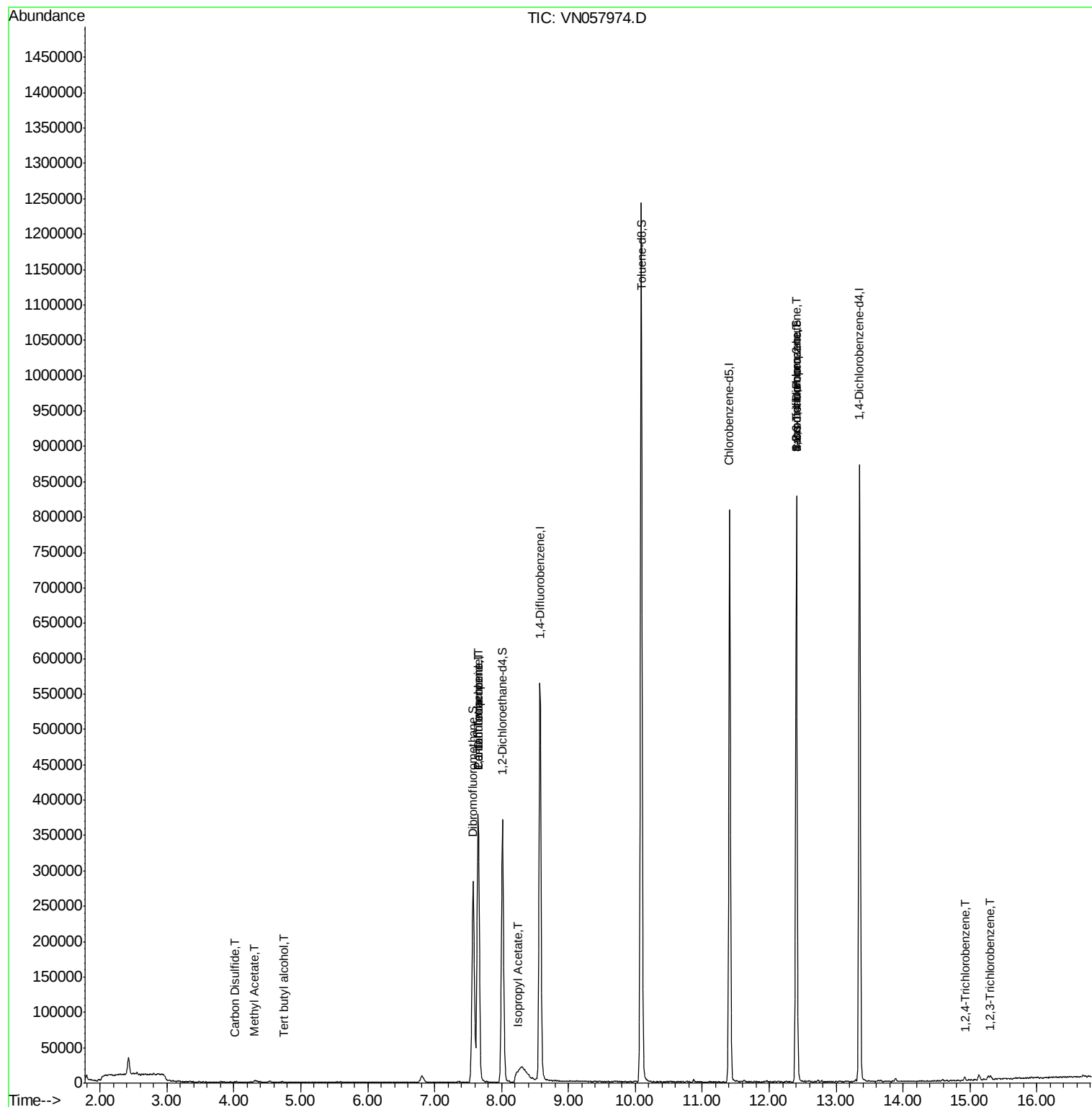
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	1195	Below Cal	#	75
11) Tert butyl alcohol	4.75	59	297	0.418	ug/l #	72
17) Carbon Disulfide	4.02	76	922	0.350	ug/l #	75
18) Methyl Acetate	4.31	43	1963	0.382	ug/l #	90
20) Methylene Chloride	4.54	84	382	Below Cal	#	39
31) Cyclohexane	7.65	56	7615	Below Cal	#	1
36) 1,1-Dichloropropene	7.65	75	25583	4.533	ug/l #	51
38) Carbon Tetrachloride	7.65	117	30277	5.875	ug/l #	15
43) Isopropyl Acetate	8.24	43	12719	1.297	ug/l #	56
71) Bromoform	12.40	173	819	0.330	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	151893	30.513	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	151893	107.374	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.92	180	1799	0.353	ug/l	96
95) Naphthalene	15.14	128	7020	Below Cal	#	93
96) 1,2,3-Trichlorobenzene	15.30	180	2051	1.449	ug/l	90

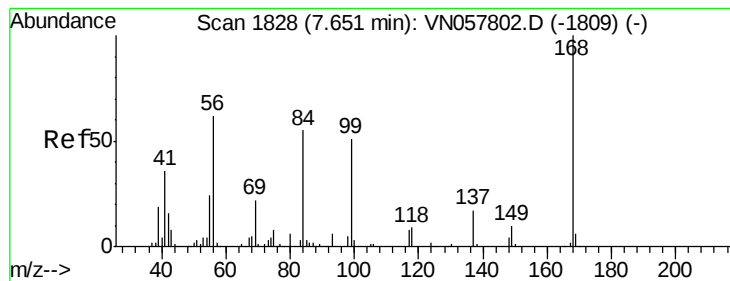
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057974.D

Acq: 12 Sep 2019 17:30

Instrument :

MSVOA_N

ClientSampleId :

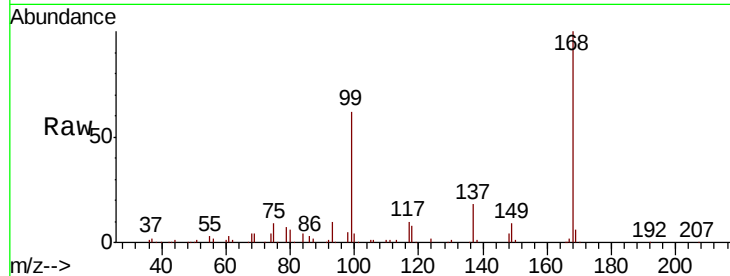
VN0913WBL02

Tgt Ion: 168 Resp: 290002

Ion Ratio Lower Upper

168 100

99 62.4 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.65

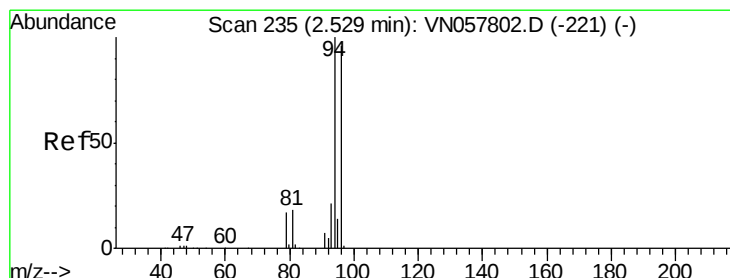
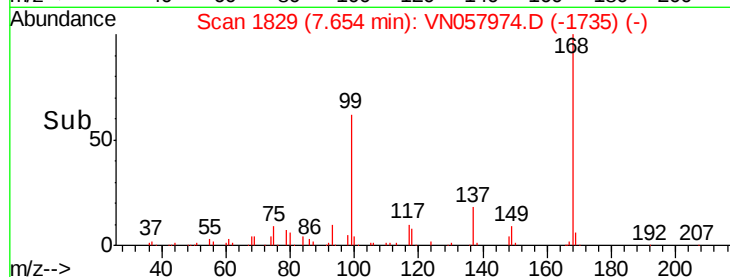
100000

50000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN057974.D

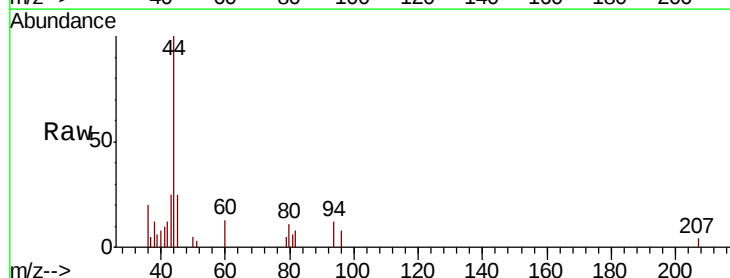
Acq: 12 Sep 2019 17:30

Tgt Ion: 94 Resp: 1195

Ion Ratio Lower Upper

94 100

96 72.1 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

600

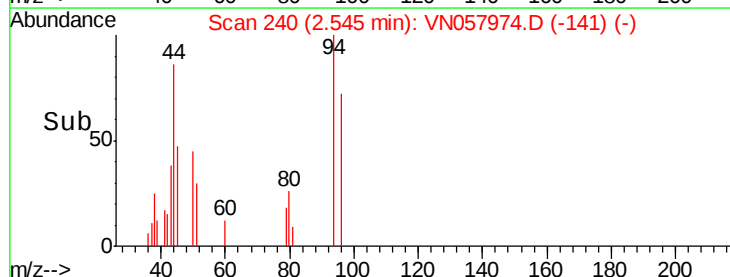
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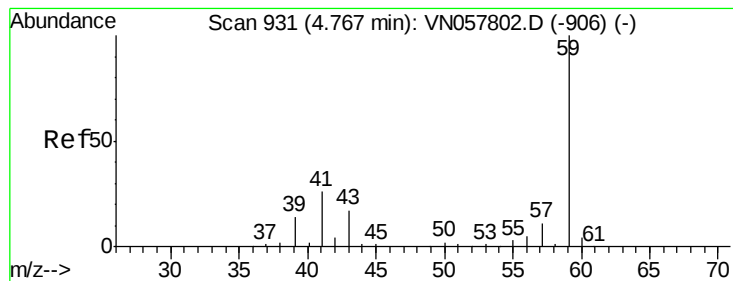
200

0

Time-->

2.50 2.55





#11

Tert butyl alcohol

Concen: 0.418 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN057974.D

Acq: 12 Sep 2019 17:30

Instrument :

MSVOA_N

ClientSampleId :

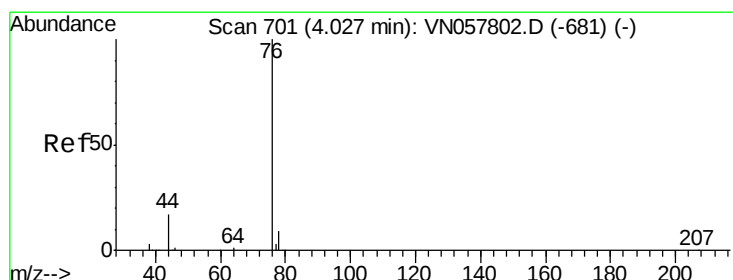
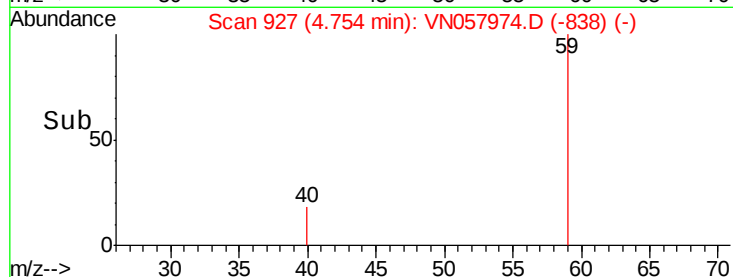
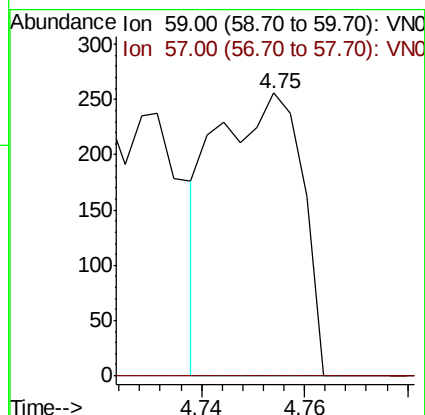
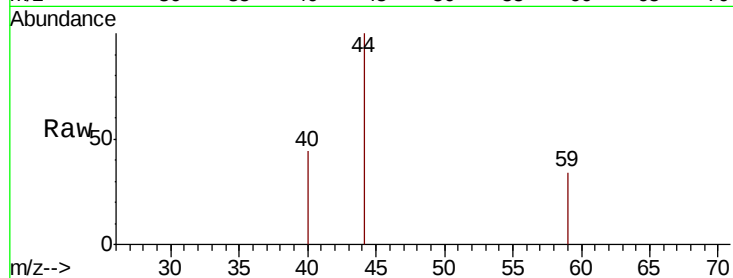
VN0913WBL02

Tgt Ion: 59 Resp: 297

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



#17

Carbon Disulfide

Concen: 0.350 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.01 min

Lab File: VN057974.D

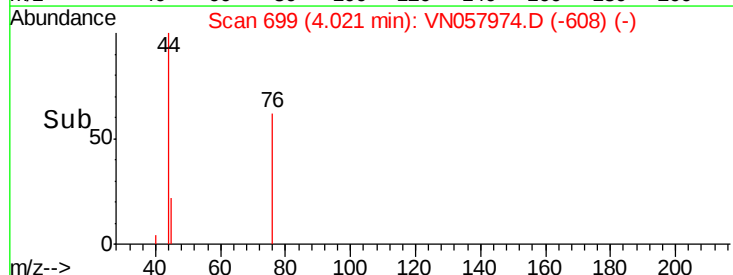
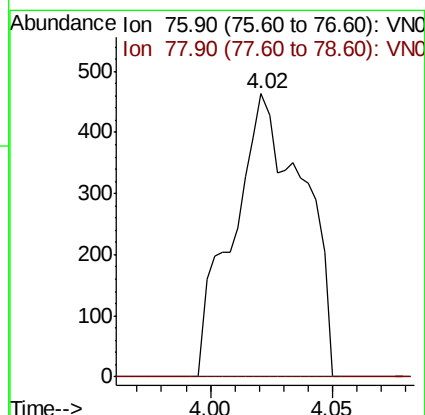
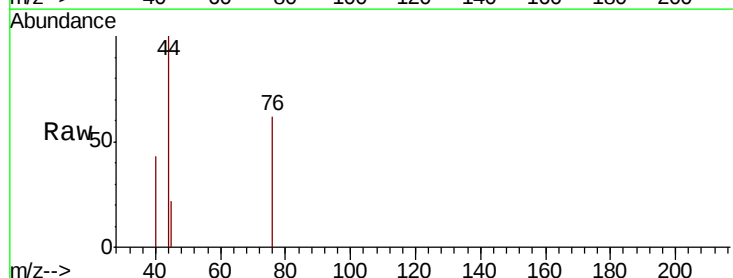
Acq: 12 Sep 2019 17:30

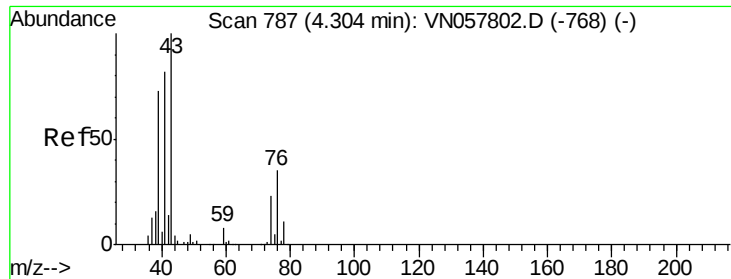
Tgt Ion: 76 Resp: 922

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

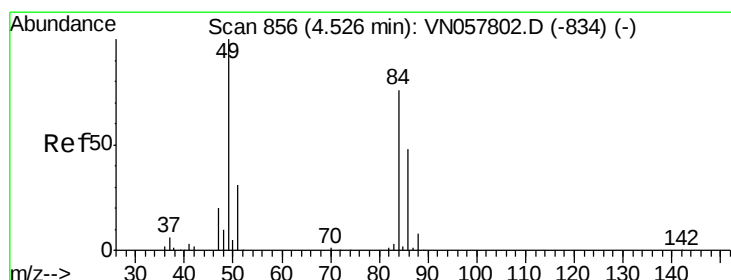
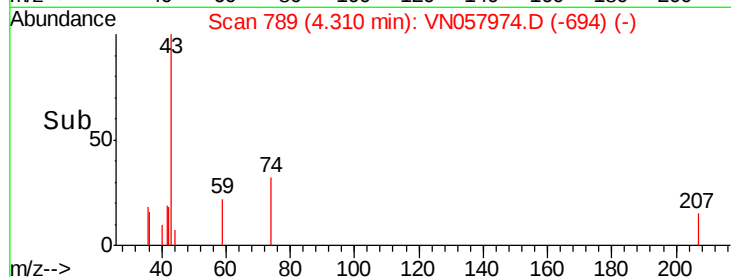
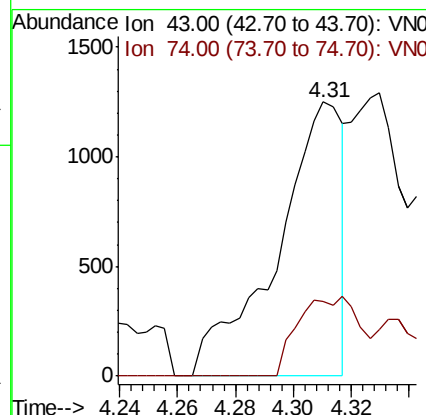
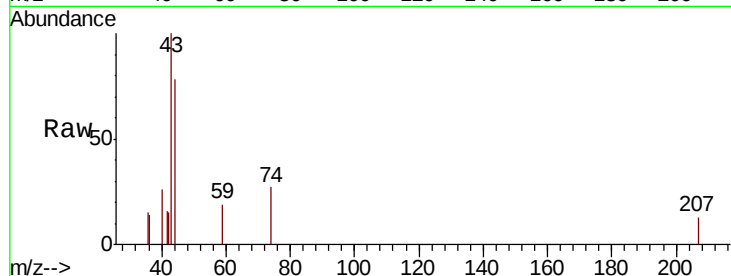




#18
Methyl Acetate
Concen: 0.382 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN057974.D
Acq: 12 Sep 2019 17:30

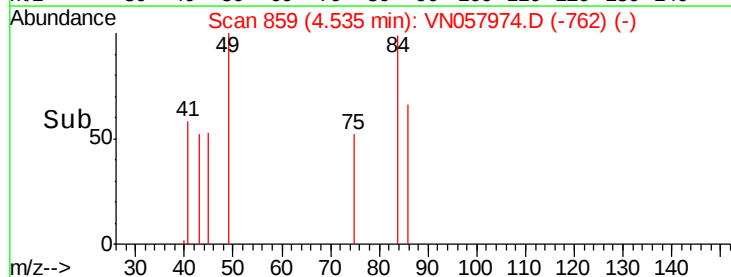
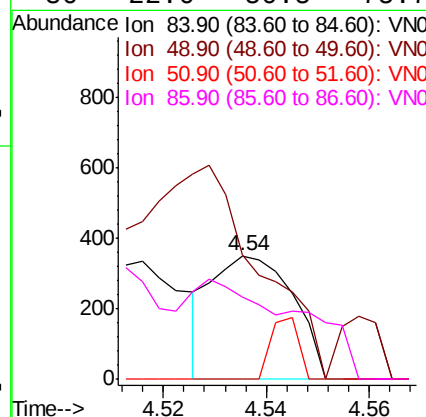
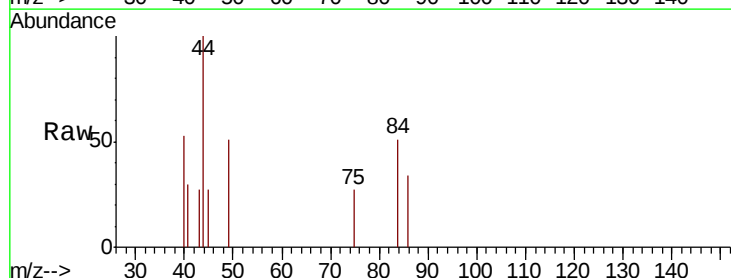
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL02

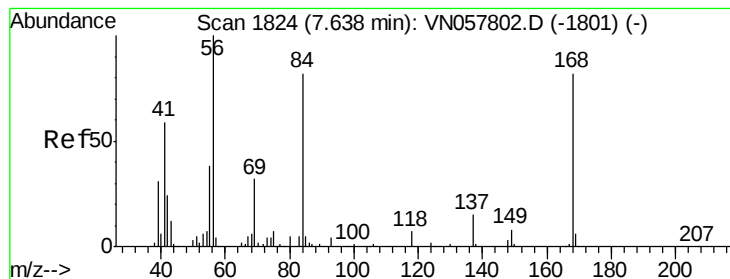
Tgt Ion: 43 Resp: 1963
Ion Ratio Lower Upper
43 100
74 27.3 17.9 26.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 859
Delta R.T. 0.01 min
Lab File: VN057974.D
Acq: 12 Sep 2019 17:30

Tgt Ion: 84 Resp: 382
Ion Ratio Lower Upper
84 100
49 57.3 104.8 157.2#
51 0.0 33.0 49.4#
86 22.6 50.5 75.7#





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN057974.D

Acq: 12 Sep 2019 17:30

Instrument :

MSVOA_N

ClientSampled :

VN0913WBL02

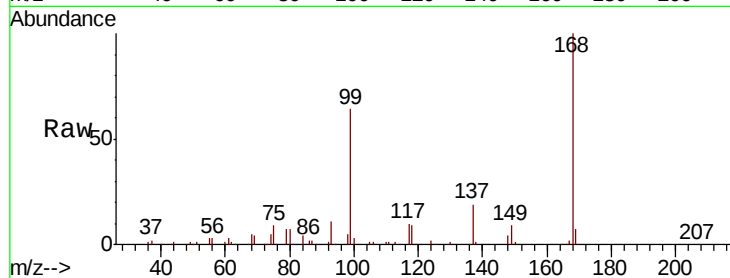
Tgt Ion: 56 Resp: 7615

Ion Ratio Lower Upper

56 100

69 171.8 25.9 38.9#

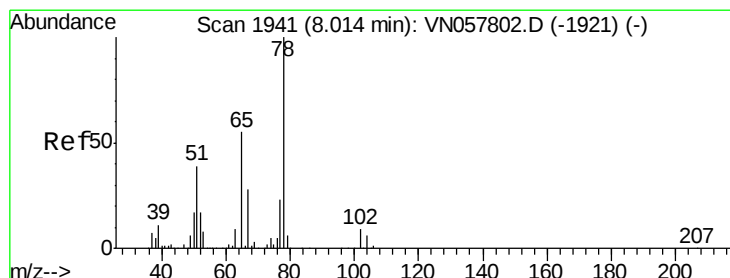
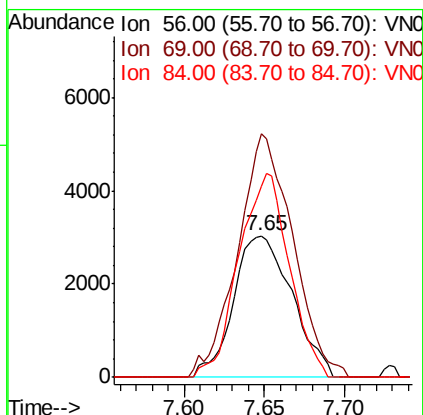
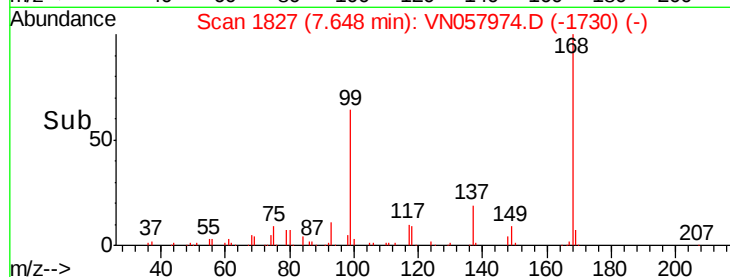
84 134.5 65.6 98.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.879 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057974.D

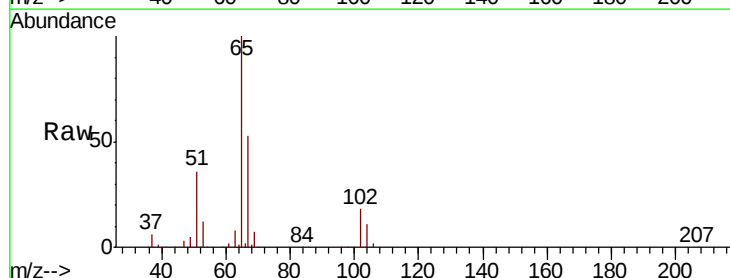
Acq: 12 Sep 2019 17:30

Tgt Ion: 65 Resp: 316474

Ion Ratio Lower Upper

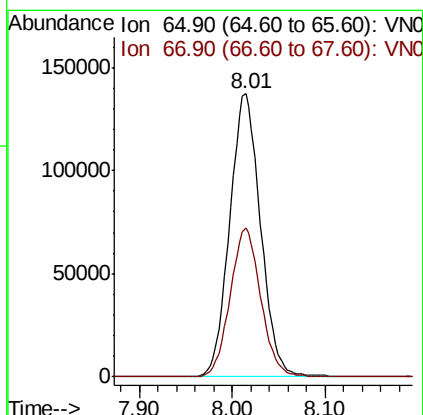
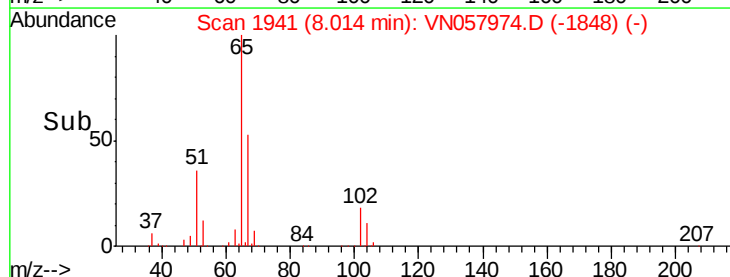
65 100

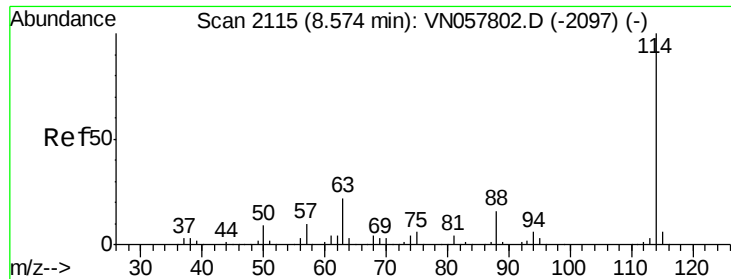
67 52.0 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

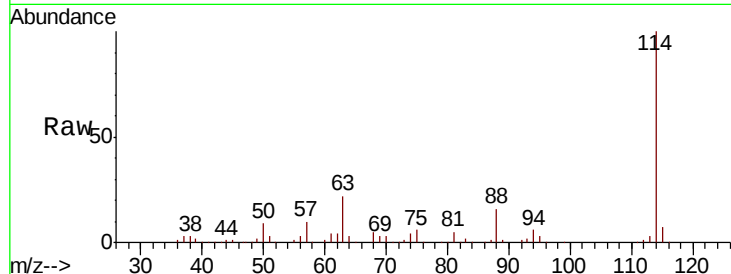




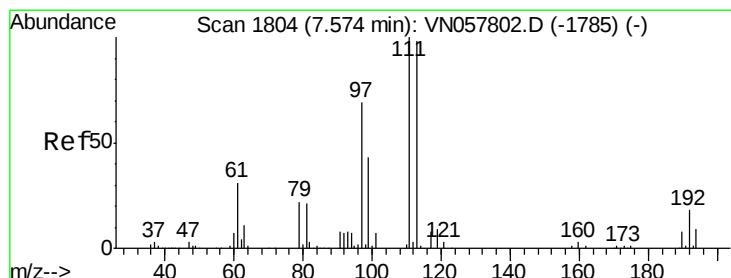
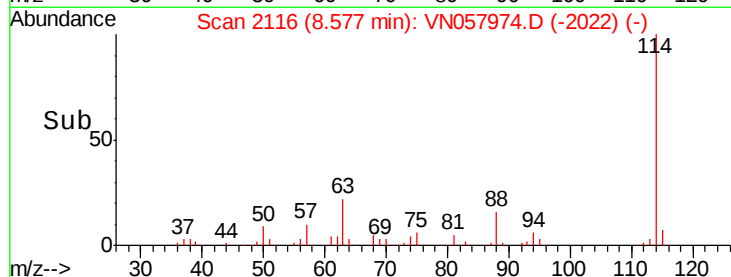
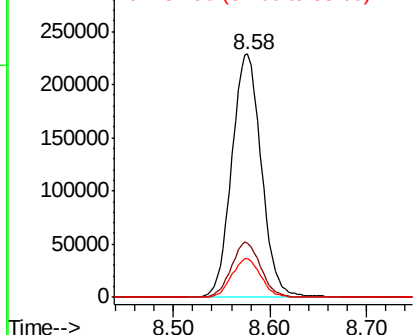
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057974.D
 Acq: 12 Sep 2019 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBL02

Tgt Ion:114 Resp: 486678
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.0
 88 15.9 0.0 31.4

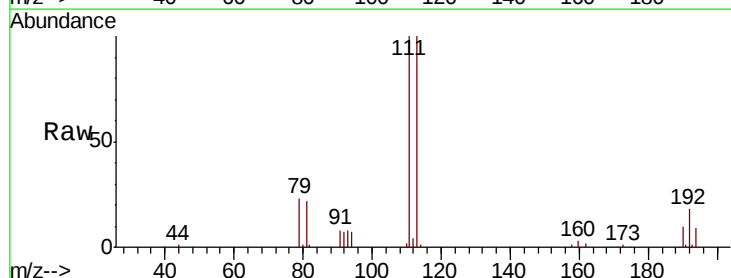


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

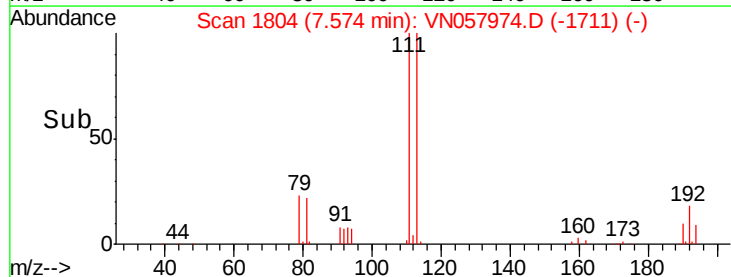
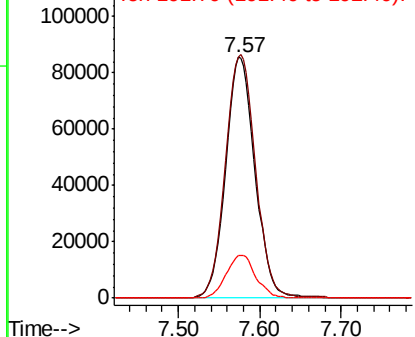


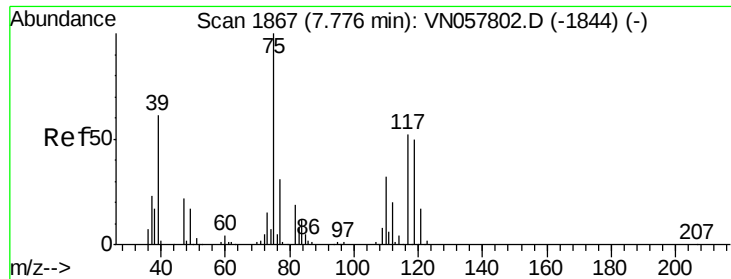
#35
 Dibromofluoromethane
 Concen: 48.157 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057974.D
 Acq: 12 Sep 2019 17:30

Tgt Ion:113 Resp: 216312
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.3 121.9
 192 17.9 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: 4.533 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN057974.D

Acq: 12 Sep 2019 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBL02

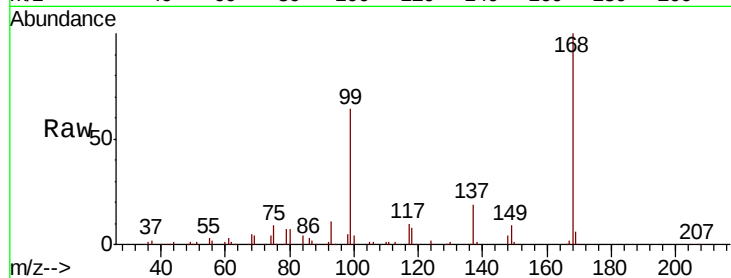
Tgt Ion: 75 Resp: 25583

Ion Ratio Lower Upper

75 100

110 9.1 16.3 48.9#

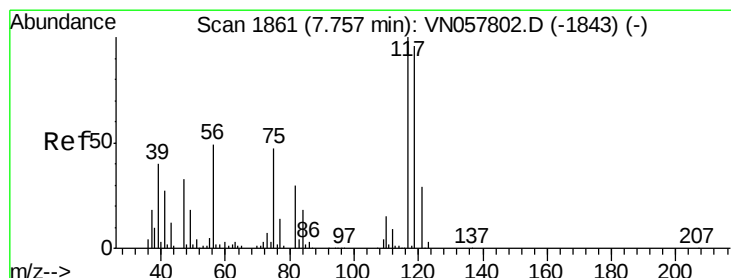
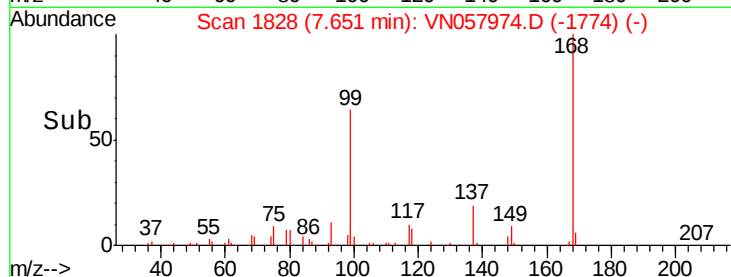
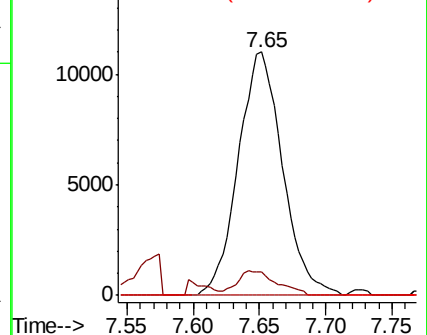
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 5.875 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057974.D

Acq: 12 Sep 2019 17:30

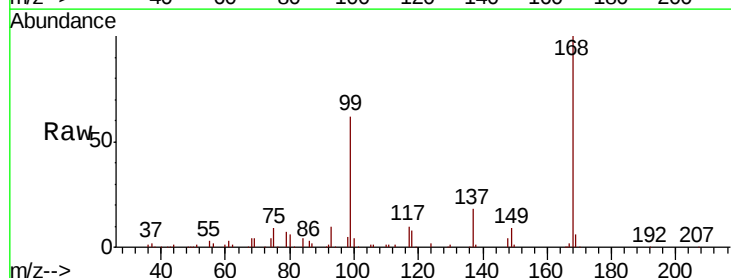
Tgt Ion: 117 Resp: 30277

Ion Ratio Lower Upper

117 100

119 4.0 76.9 115.3#

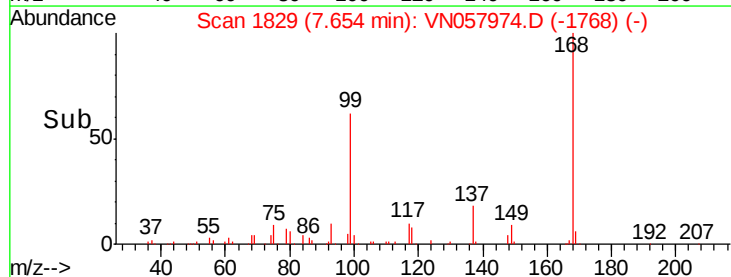
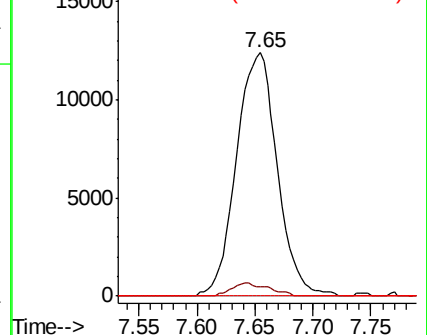
121 0.0 23.4 35.2#

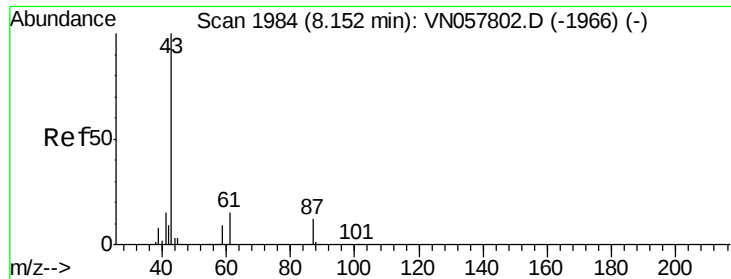


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 1.297 ug/l

RT: 8.24 min Scan# 2010

Delta R.T. 0.08 min

Lab File: VN057974.D

Acq: 12 Sep 2019 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBL02

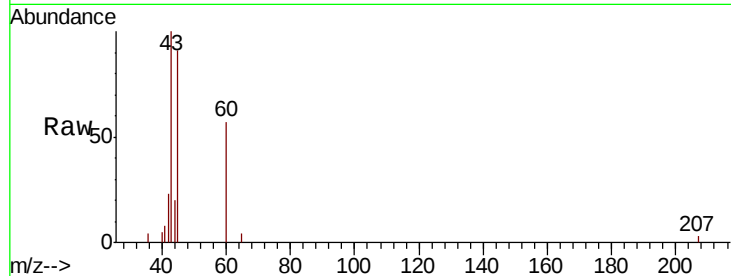
Tgt Ion: 43 Resp: 12719

Ion Ratio Lower Upper

43 100

61 0.0 20.1 30.1#

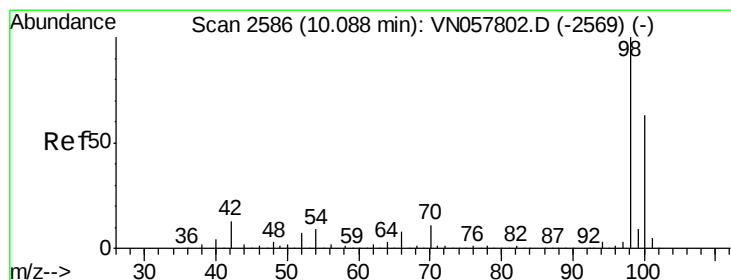
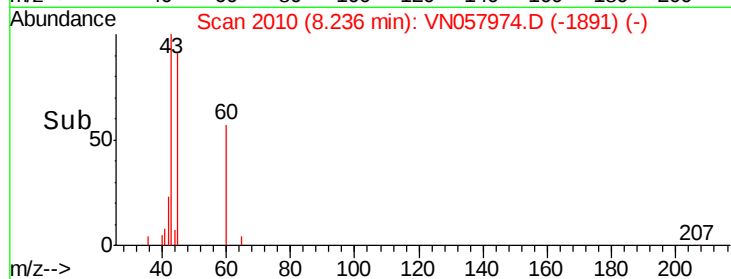
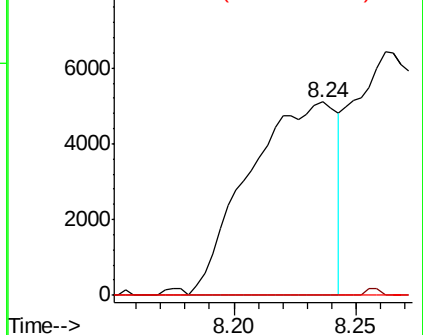
87 0.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 49.277 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057974.D

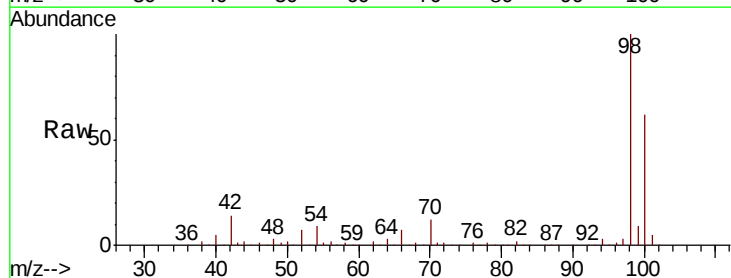
Acq: 12 Sep 2019 17:30

Tgt Ion: 98 Resp: 859387

Ion Ratio Lower Upper

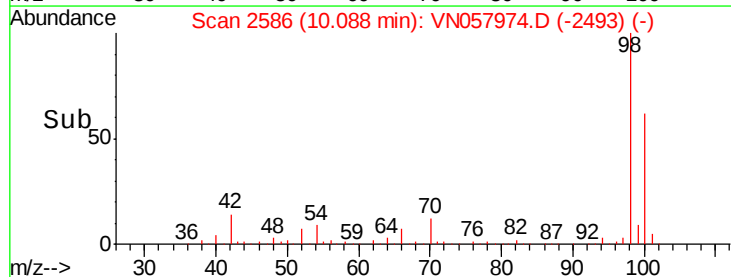
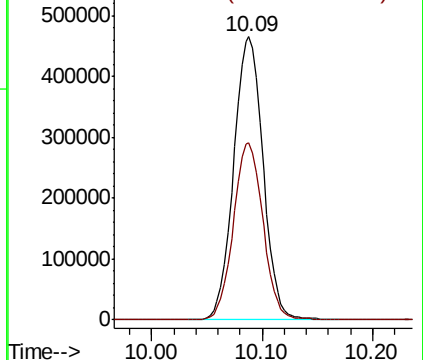
98 100

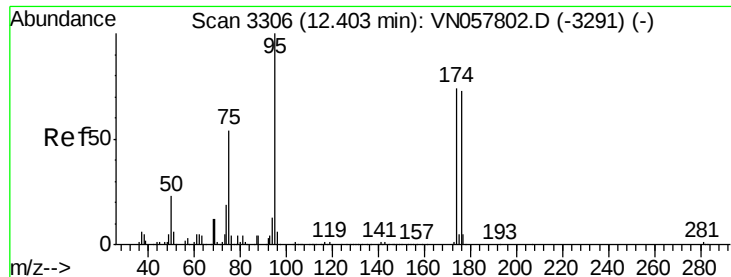
100 63.2 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

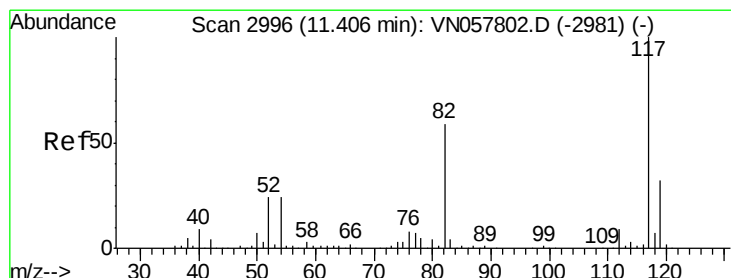
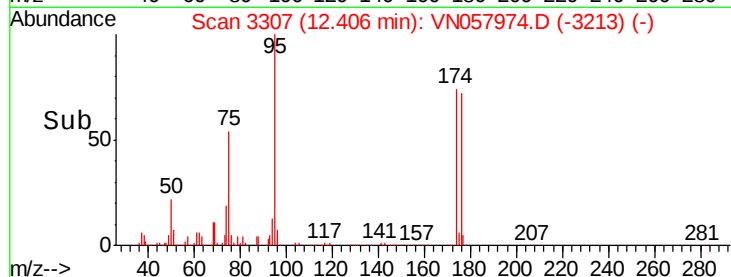
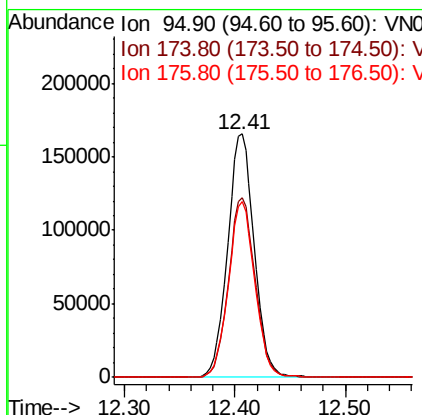
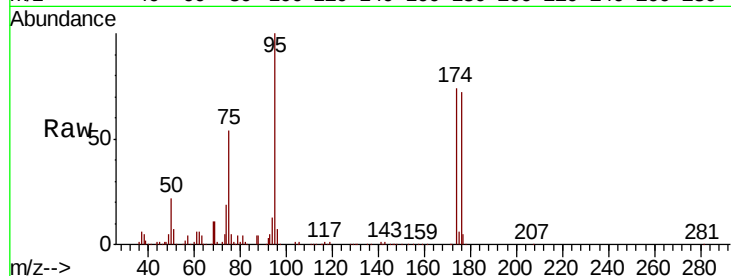




#62
4-Bromofluorobenzene
Concen: 41.569 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN057974.D
Acq: 12 Sep 2019 17:30

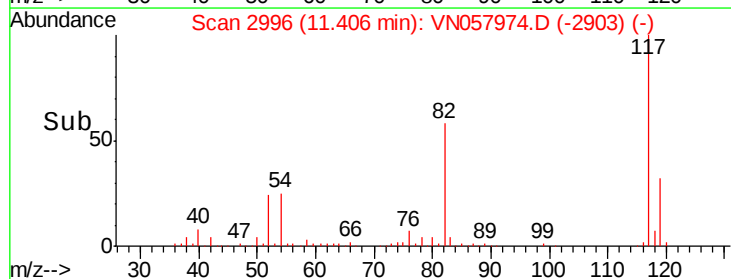
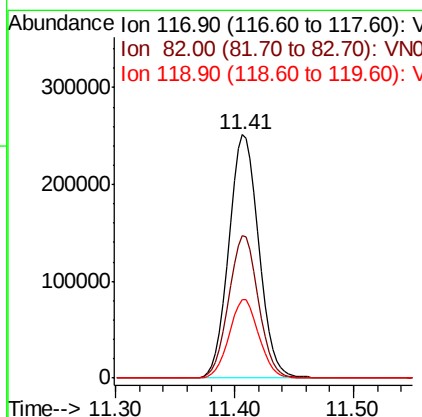
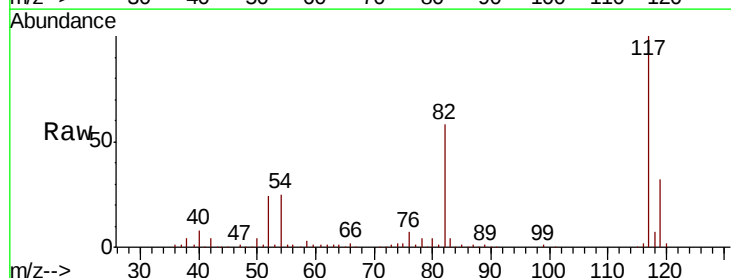
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL02

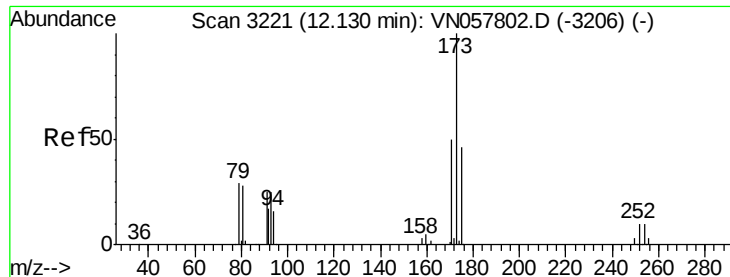
Tgt Ion: 95 Resp: 276274
Ion Ratio Lower Upper
95 100
174 74.1 0.0 150.2
176 71.8 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057974.D
Acq: 12 Sep 2019 17:30

Tgt Ion: 117 Resp: 438694
Ion Ratio Lower Upper
117 100
82 58.4 47.2 70.8
119 32.1 25.3 37.9





#71

Bromoform

Concen: 0.330 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN057974.D

Acq: 12 Sep 2019 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBL02

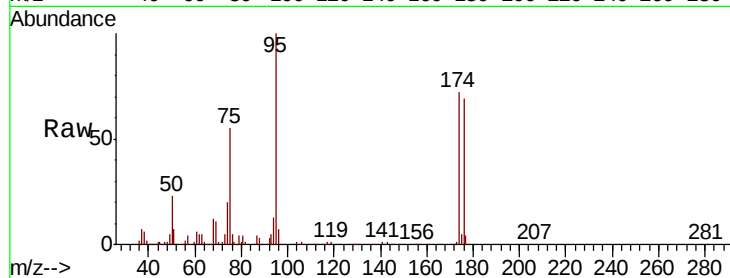
Tgt Ion:173 Resp: 819

Ion Ratio Lower Upper

173 100

175 1581.0 23.5 70.6#

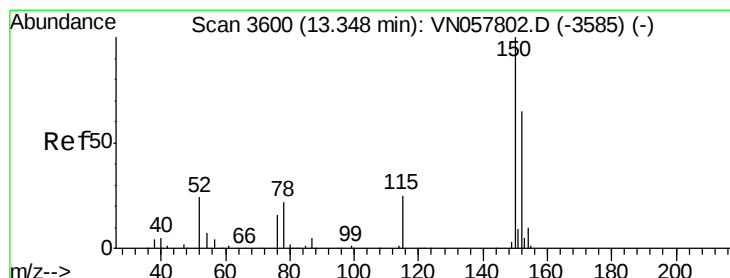
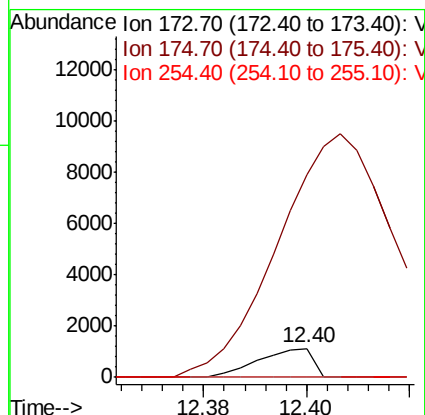
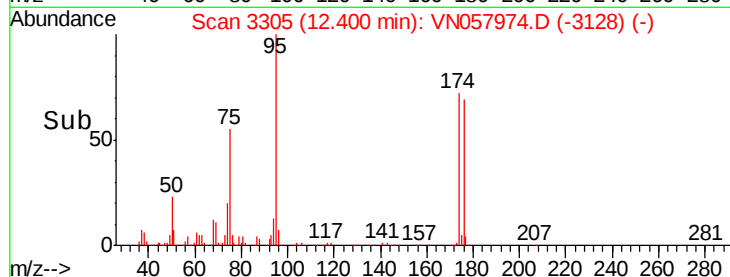
254 0.0 0.1 0.1#



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# 3601

Delta R.T. 0.00 min

Lab File: VN057974.D

Acq: 12 Sep 2019 17:30

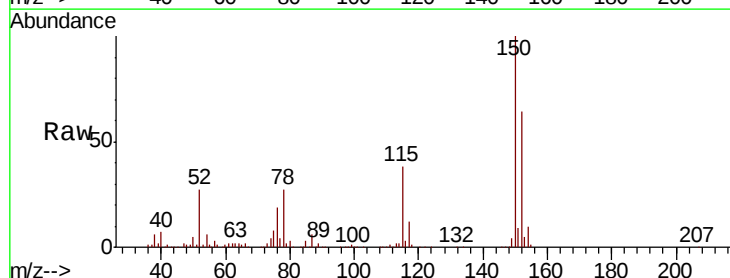
Tgt Ion:152 Resp: 220056

Ion Ratio Lower Upper

152 100

115 60.9 30.3 91.0

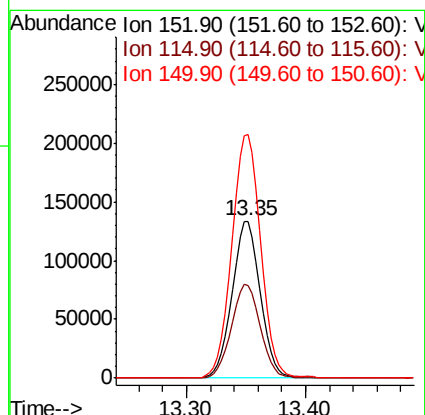
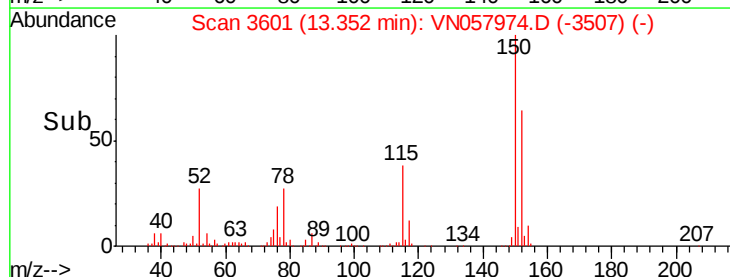
150 158.8 0.0 352.4

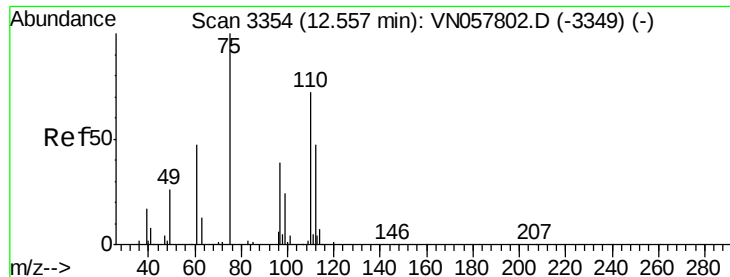


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.513 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN057974.D

Acq: 12 Sep 2019 17:30

Instrument :

MSVOA_N

ClientSampleId :

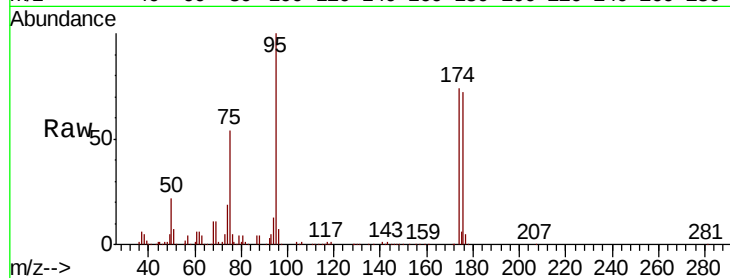
VN0913WBL02

Tgt Ion: 75 Resp: 151893

Ion Ratio Lower Upper

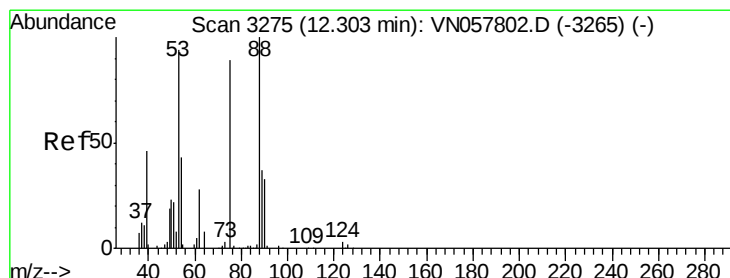
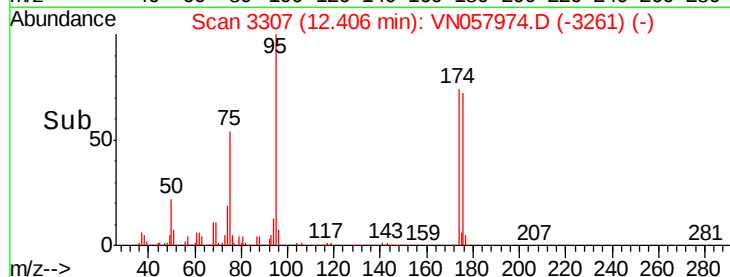
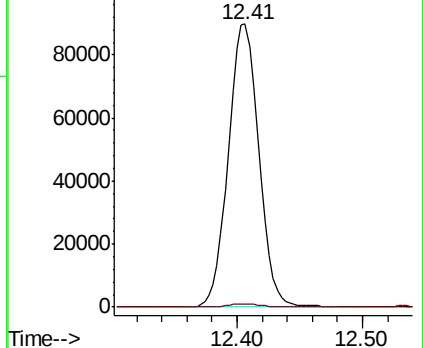
75 100

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: 107.374 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN057974.D

Acq: 12 Sep 2019 17:30

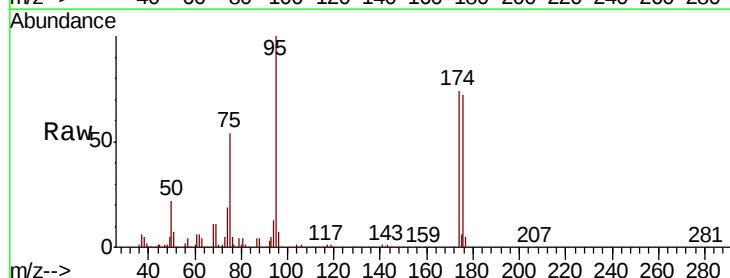
Tgt Ion: 75 Resp: 151893

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

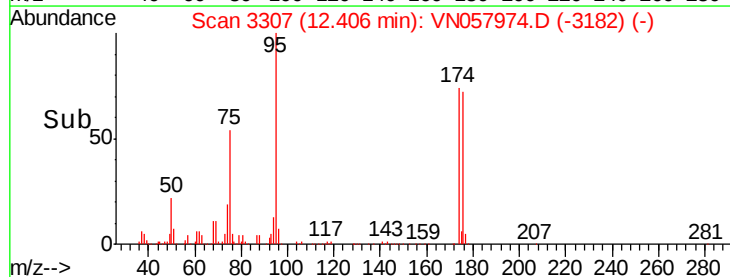
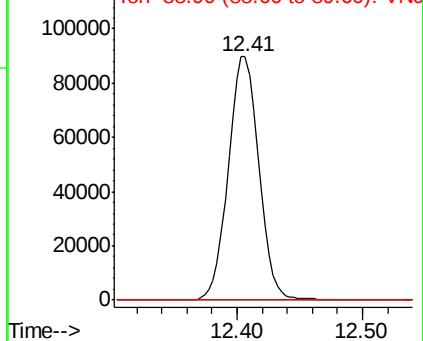
89 0.0 35.3 52.9#

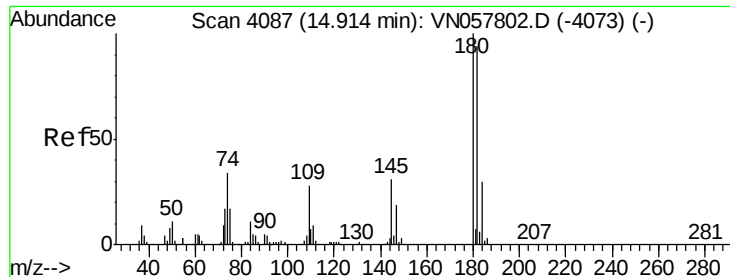


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

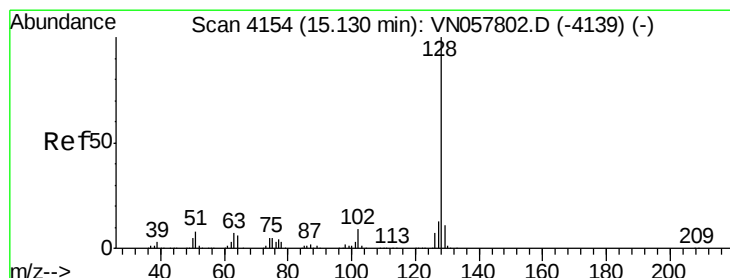
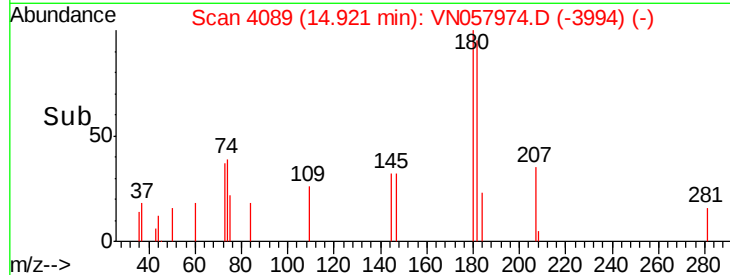
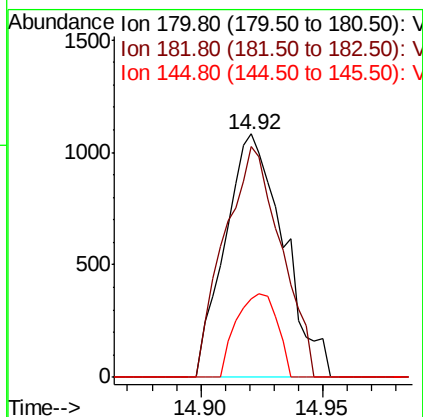
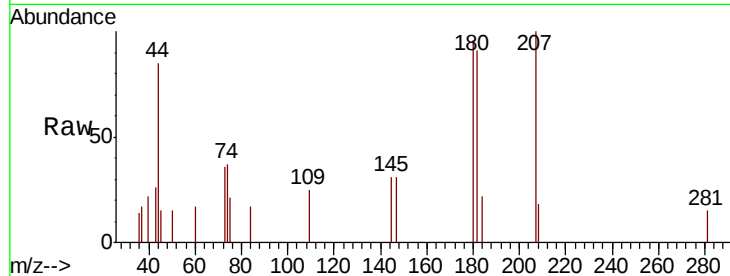




#93
 1,2,4-Trichlorobenzene
 Concen: 0.353 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN057974.D
 Acq: 12 Sep 2019 17:30

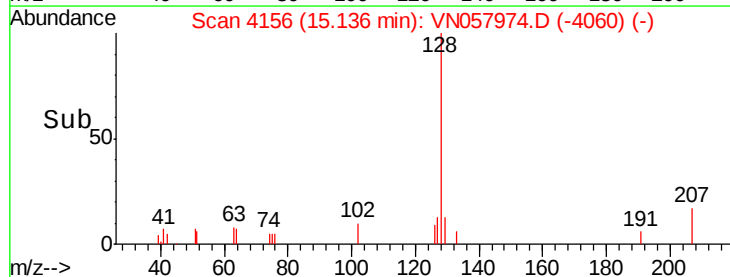
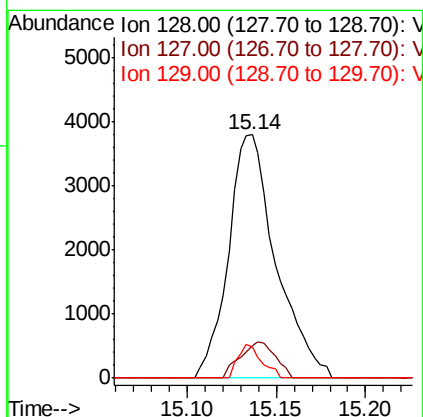
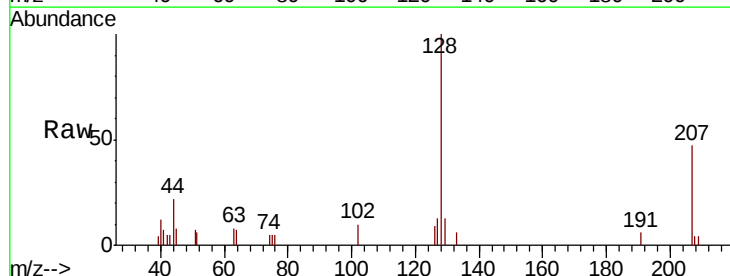
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBL02

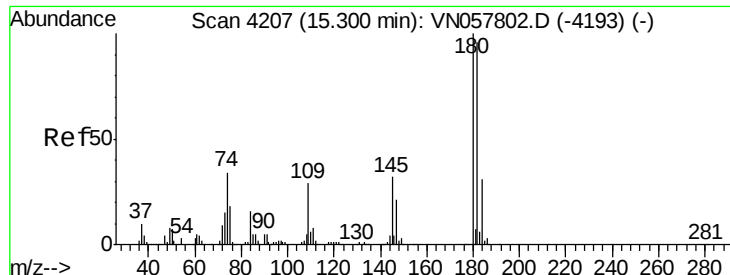
Tgt Ion:180 Resp: 1799
 Ion Ratio Lower Upper
 180 100
 182 91.9 46.9 140.8
 145 24.0 14.9 44.7



#95
 Naphthalene
 Concen: Below Cal
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN057974.D
 Acq: 12 Sep 2019 17:30

Tgt Ion:128 Resp: 7020
 Ion Ratio Lower Upper
 128 100
 127 11.1 10.3 15.5
 129 6.9 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.449 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN057974.D
 Acq: 12 Sep 2019 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBL02

Tgt Ion:180 Resp: 2051
 Ion Ratio Lower Upper
 180 100
 182 92.9 48.3 144.8
 145 16.5 16.3 48.8

