

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
 Data File : VN057955.D
 Acq On : 12 Sep 2019 9:24
 Operator : JC/SP
 Sample : VN0913MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913MBL01

Quant Time: Sep 13 04:40:42 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	295382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	487930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	442971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	228749	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	317959	53.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.30%	
35) Dibromofluoromethane	7.57	113	215833	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
50) Toluene-d8	10.09	98	863298	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.40	95	274775	41.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.48%	

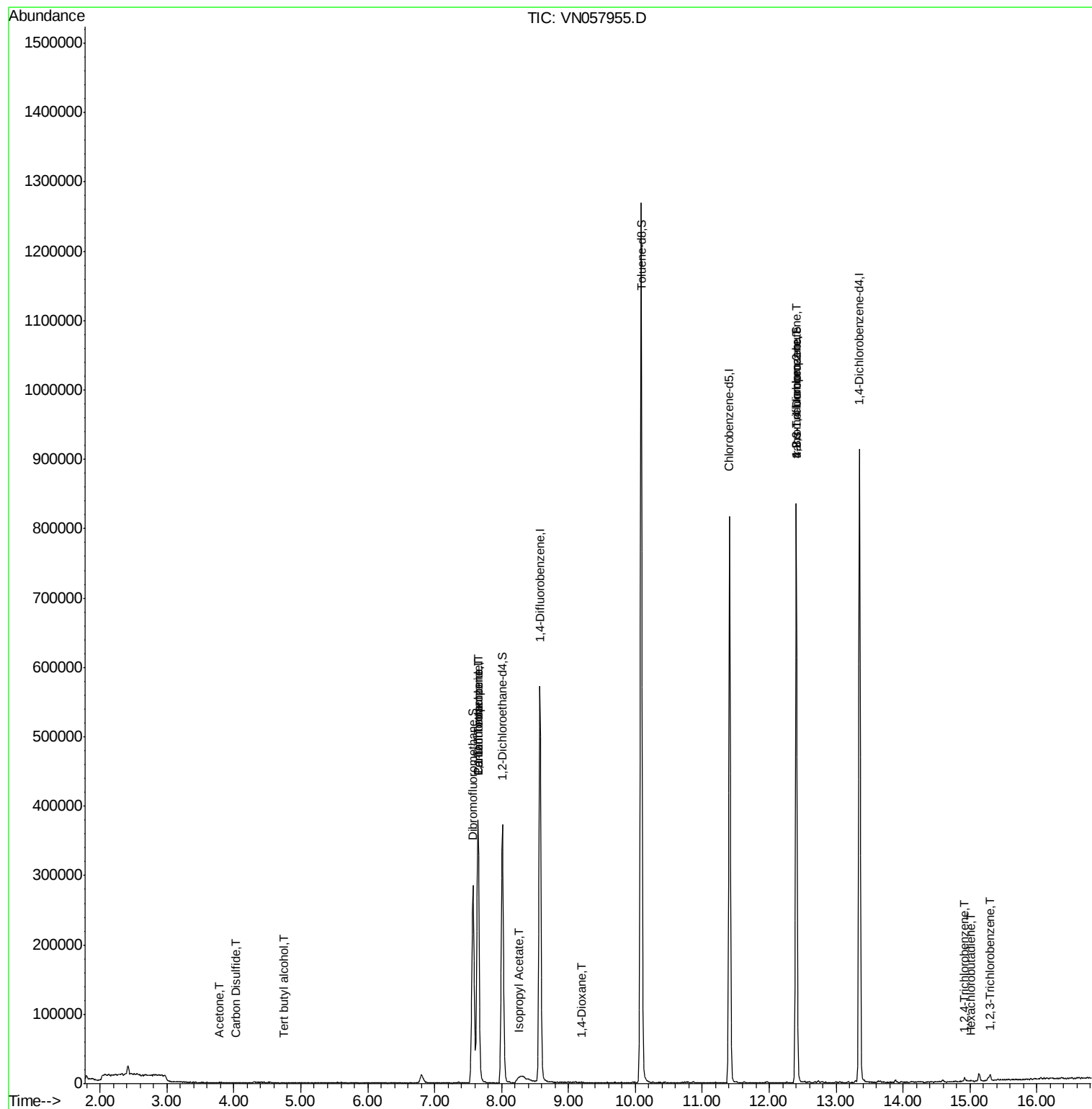
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	288	Below Cal	#	62
11) Tert butyl alcohol	4.75	59	204	0.282	ug/l #	72
16) Acetone	3.78	43	602	0.307	ug/l #	47
17) Carbon Disulfide	4.03	76	414	0.243	ug/l #	75
20) Methylene Chloride	4.52	84	642	Below Cal	#	55
31) Cyclohexane	7.65	56	7940	Below Cal	#	35
36) 1,1-Dichloropropene	7.65	75	25204	4.454	ug/l #	52
38) Carbon Tetrachloride	7.65	117	30480	5.900	ug/l #	16
43) Isopropyl Acetate	8.25	43	6527	0.664	ug/l #	56
49) 1,4-Dioxane	9.20	88	61	0.723	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	151620	29.300	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	151620	103.108	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.93	180	1899	0.358	ug/l	93
94) Hexachlorobutadiene	15.02	225	474	0.211	ug/l #	53
95) Naphthalene	15.13	128	9189	Below Cal		96
96) 1,2,3-Trichlorobenzene	15.30	180	3077	1.649	ug/l	92

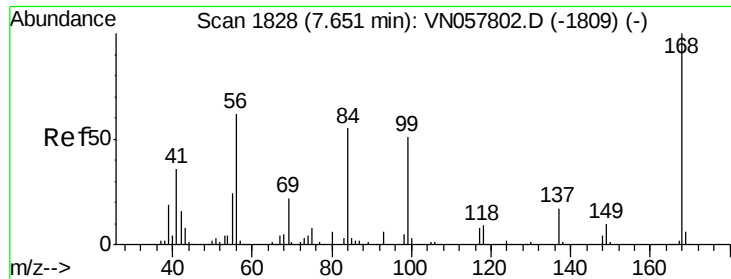
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057955.D

Acq: 12 Sep 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

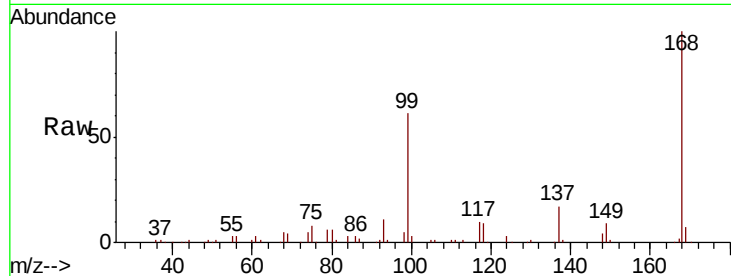
VN0913MBL01

Tgt Ion: 168 Resp: 295382

Ion Ratio Lower Upper

168 100

99 60.6 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) (-)

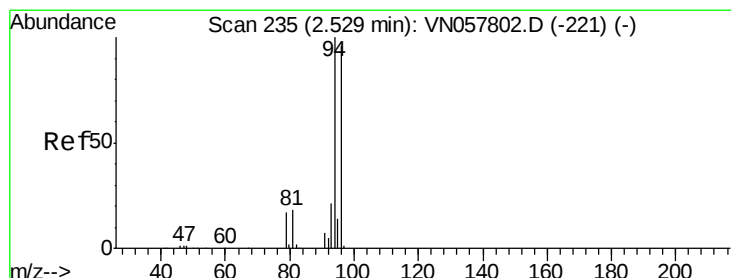
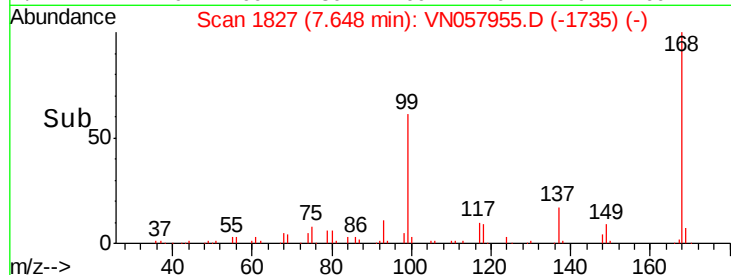
7.65

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN057955.D

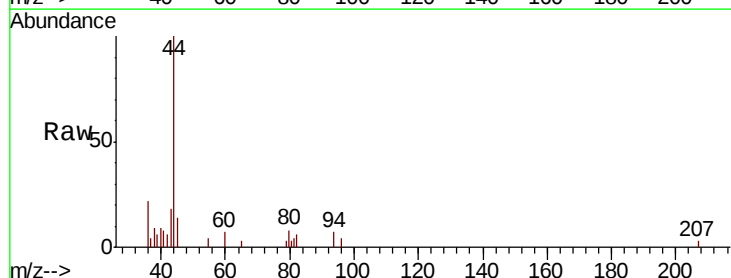
Acq: 12 Sep 2019 9:24

Tgt Ion: 94 Resp: 288

Ion Ratio Lower Upper

94 100

96 59.4 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN057802.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN057802.D (-221) (-)

2.54

400

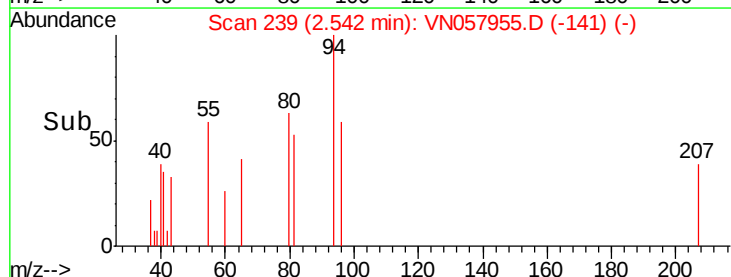
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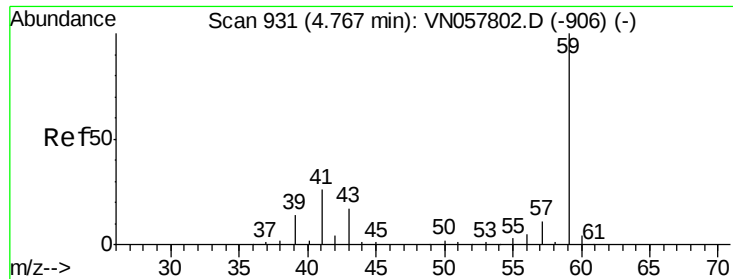
200

100

0

Time-->

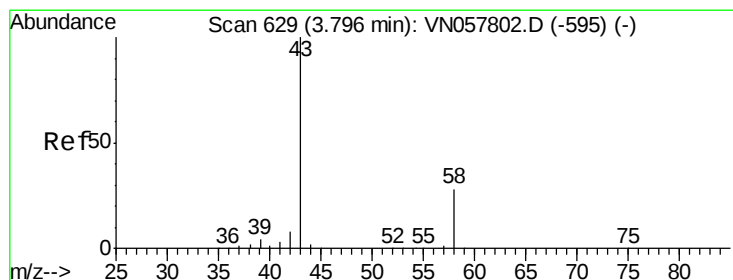
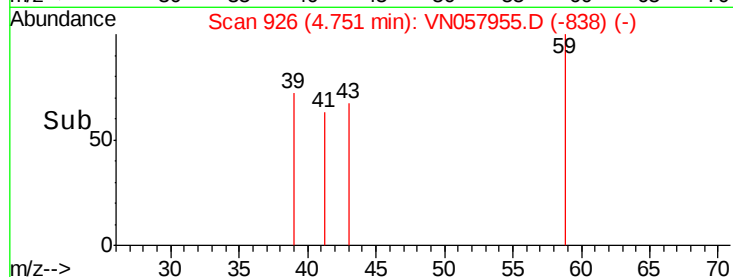
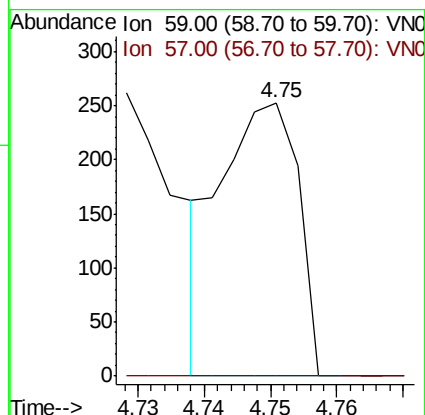
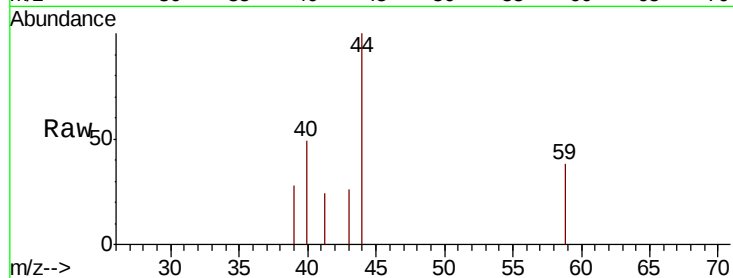




#11
Tert butyl alcohol
Concen: 0.282 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.02 min
Lab File: VN057955.D
Acq: 12 Sep 2019 9:24

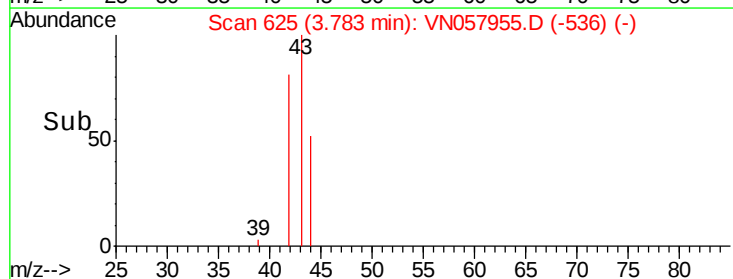
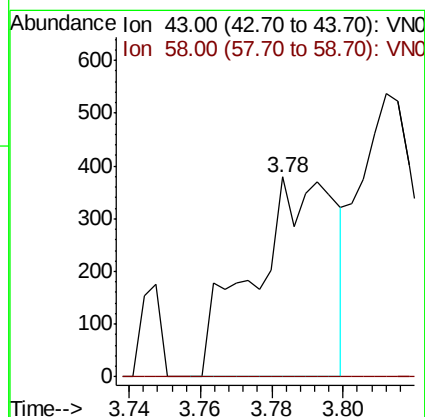
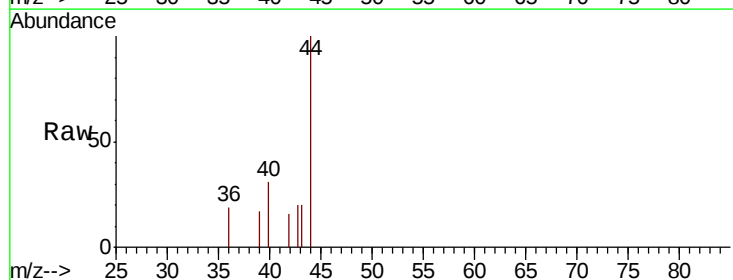
Instrument :
MSVOA_N
ClientSampled :
VN0913MBL01

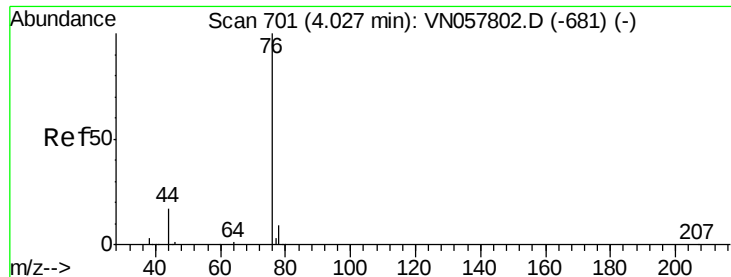
Tgt Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 0.307 ug/l
RT: 3.78 min Scan# 625
Delta R.T. -0.01 min
Lab File: VN057955.D
Acq: 12 Sep 2019 9:24

Tgt Ion: 43 Resp: 602
Ion Ratio Lower Upper
43 100
58 0.0 22.2 33.2#





#17

Carbon Disulfide

Concen: 0.243 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN057955.D

Acq: 12 Sep 2019 9:24

Instrument :

MSVOA_N

ClientSampled :

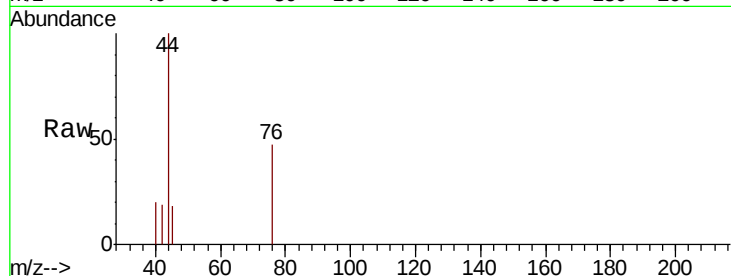
VN0913MBL01

Tgt Ion: 76 Resp: 414

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

400

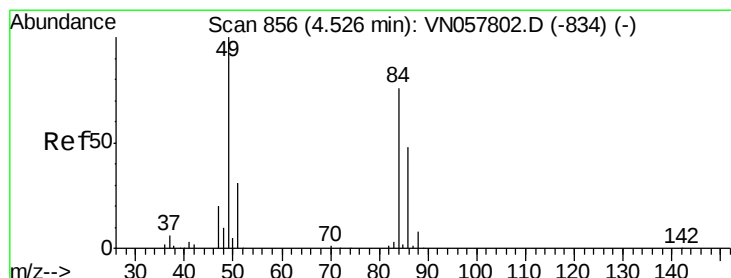
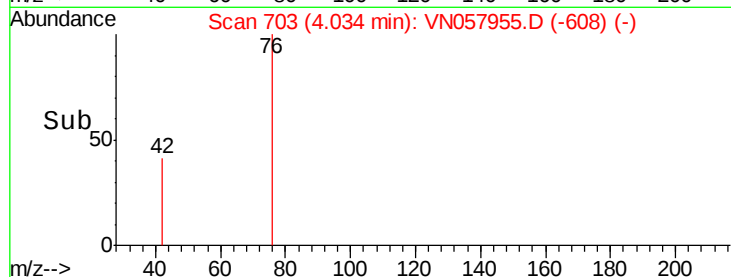
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.52 min Scan# 854

Delta R.T. -0.01 min

Lab File: VN057955.D

Acq: 12 Sep 2019 9:24

Tgt Ion: 84 Resp: 642

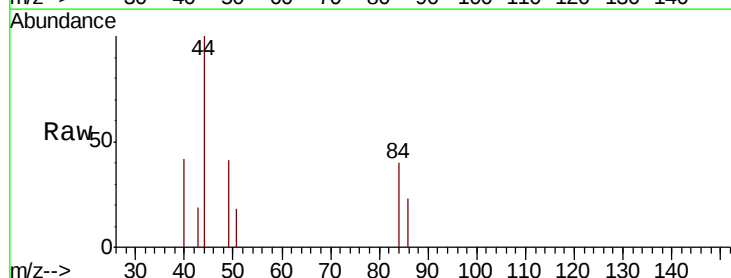
Ion Ratio Lower Upper

84 100

49 44.7 104.8 157.2#

51 45.2 33.0 49.4

86 55.9 50.5 75.7



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

500

400

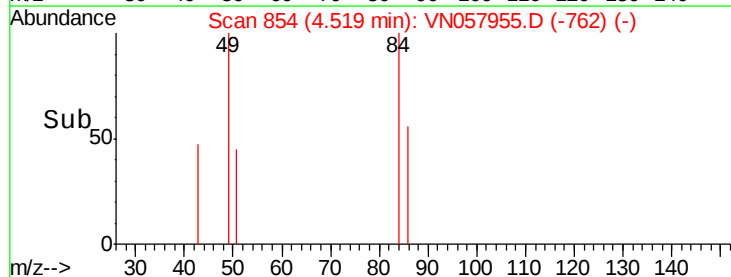
300

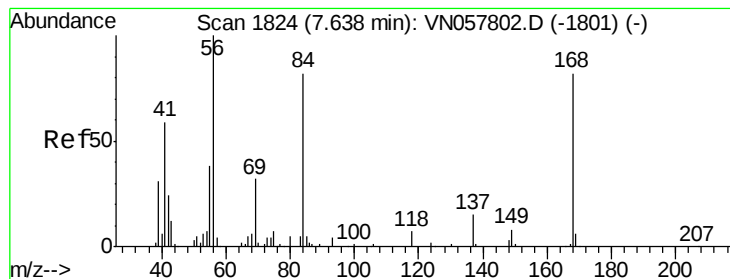
200

100

0

Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1827

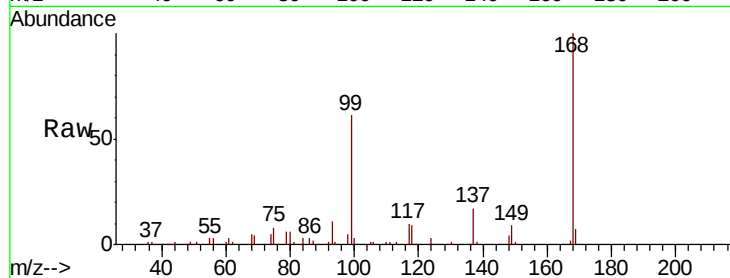
Delta R.T. 0.01 min

Lab File: VN057955.D

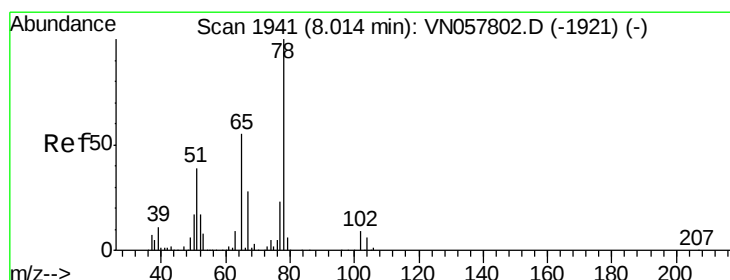
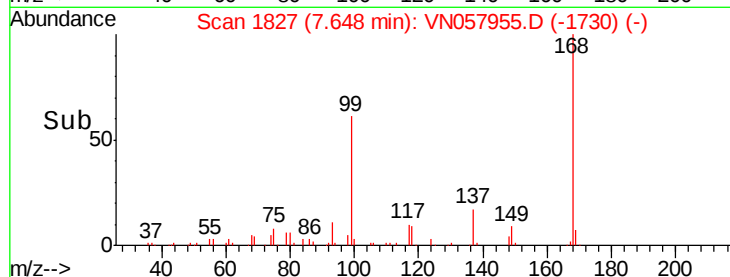
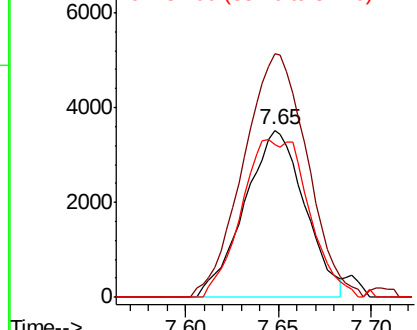
Acq: 12 Sep 2019 9:24

Instrument :
MSVOA_N
ClientSampled :
VN0913MBL01

Tgt Ion:	56	Resp:	7940
Ion	Ratio	Lower	Upper
56	100		
69	145.8	25.9	38.9#
84	91.8	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: 53.146 ug/l

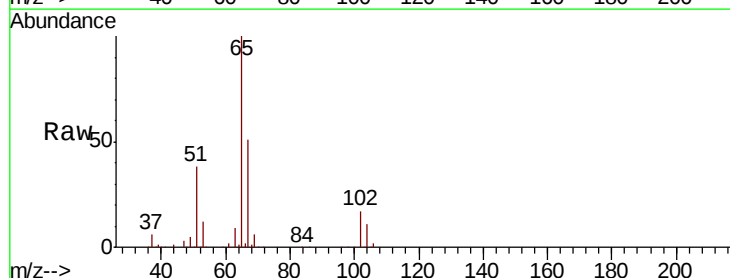
RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

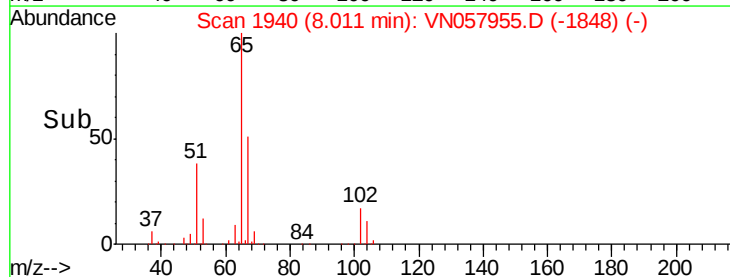
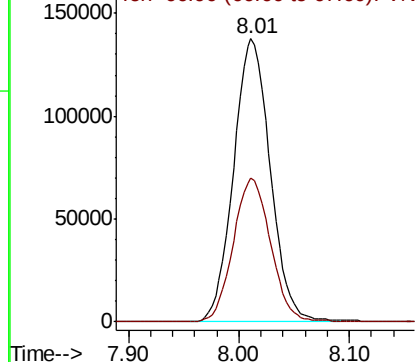
Lab File: VN057955.D

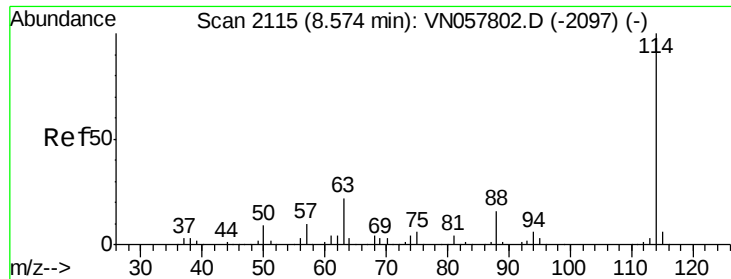
Acq: 12 Sep 2019 9:24

Tgt Ion:	65	Resp:	317959
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

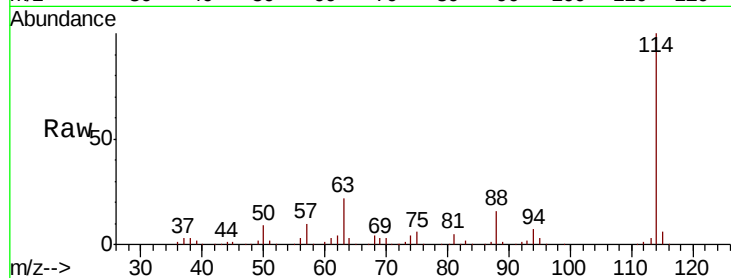




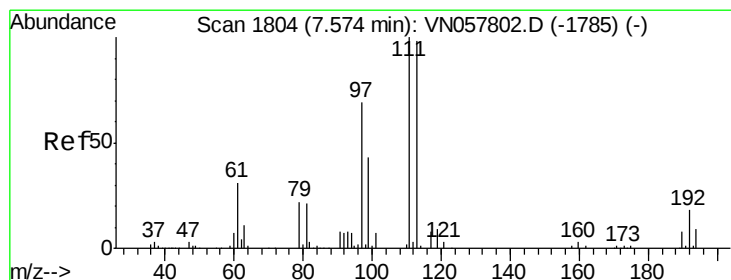
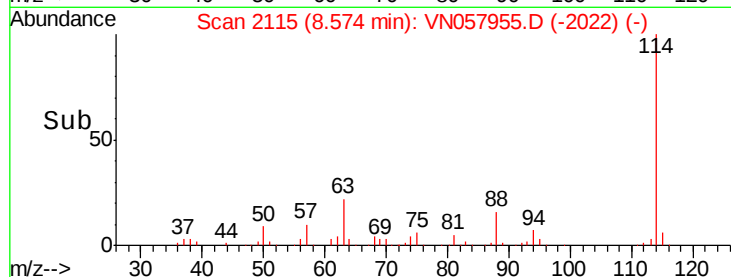
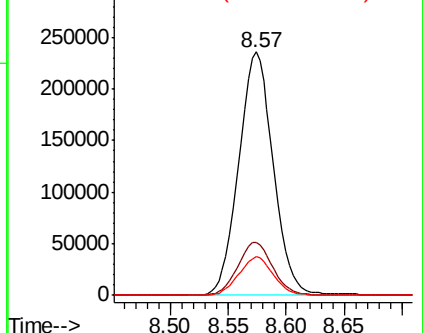
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057955.D
 Acq: 12 Sep 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913MBL01

Tgt Ion:114 Resp: 487930
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 44.0
 88 15.7 0.0 31.4

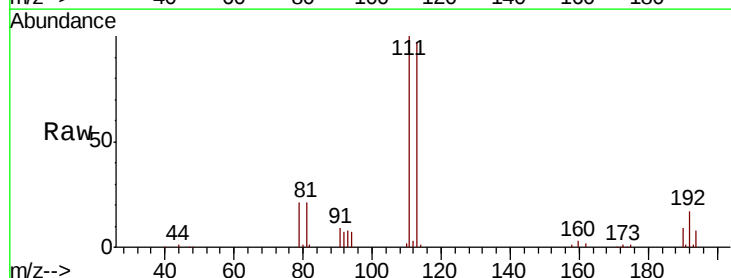


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

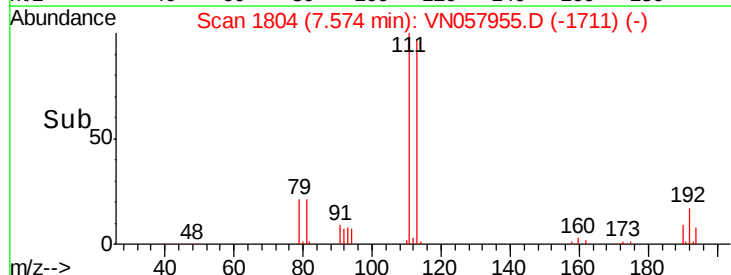
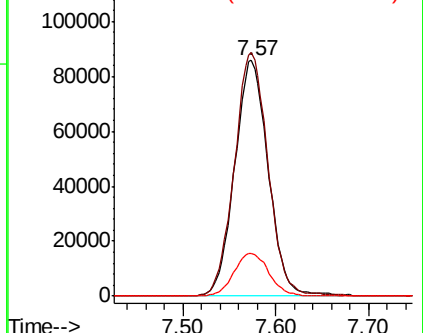


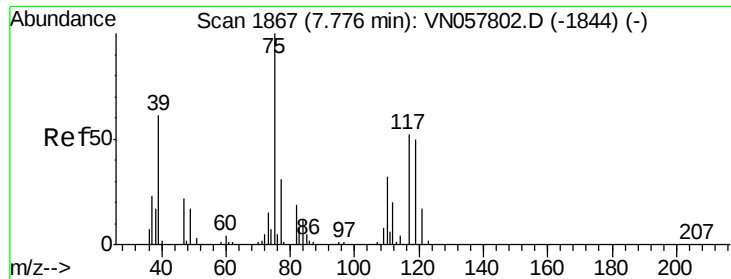
#35
 Dibromofluoromethane
 Concen: 47.927 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057955.D
 Acq: 12 Sep 2019 9:24

Tgt Ion:113 Resp: 215833
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.3 121.9
 192 18.9 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

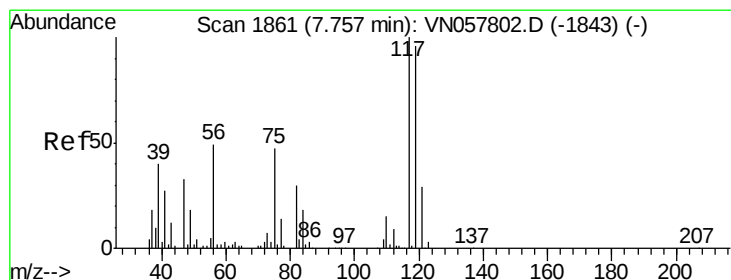
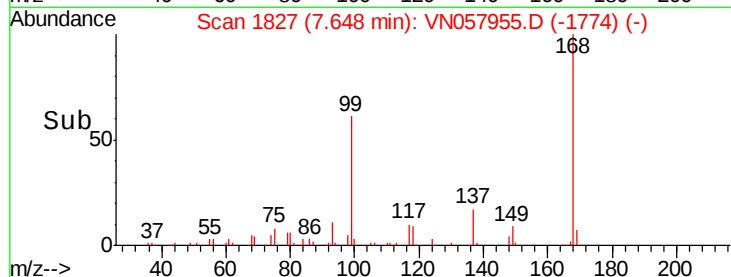
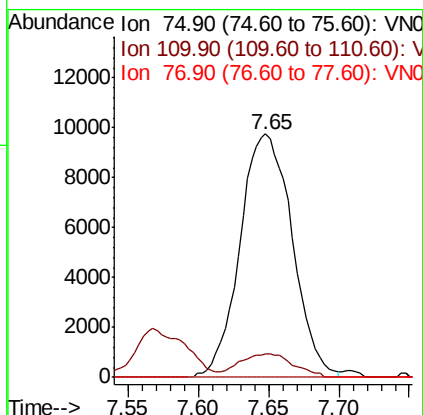
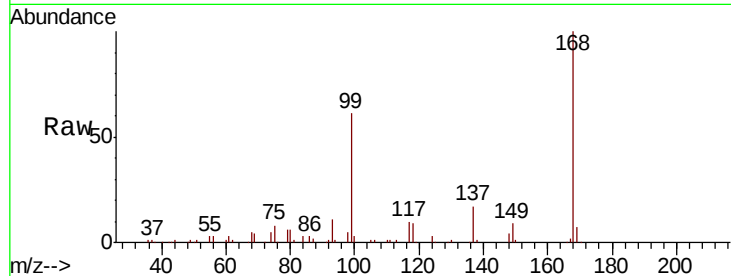




#36
 1,1-Dichloropropene
 Concen: 4.454 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057955.D
 Acq: 12 Sep 2019 9:24

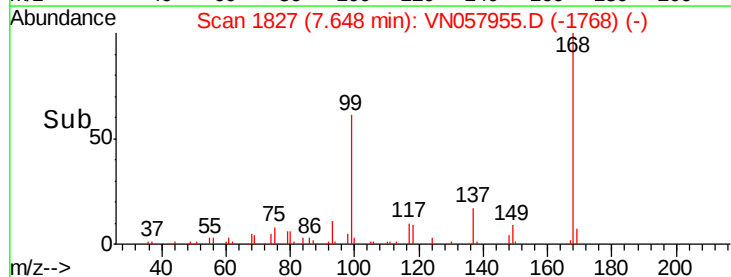
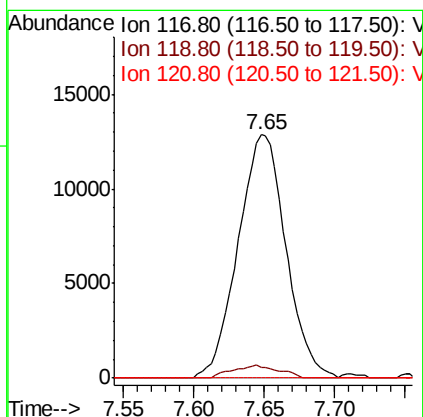
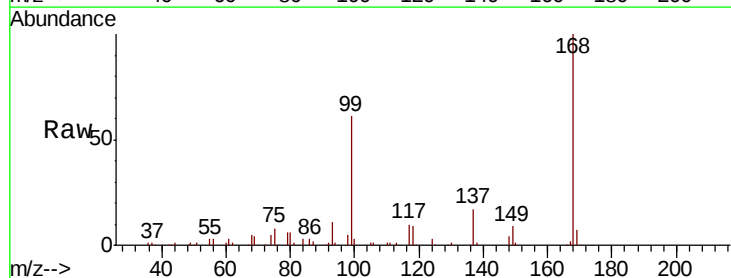
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913MBL01

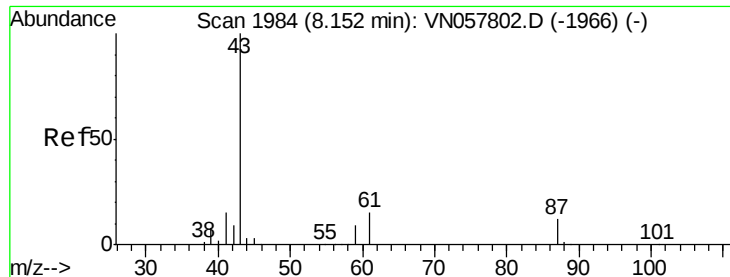
Tgt Ion: 75 Resp: 25204
 Ion Ratio Lower Upper
 75 100
 110 10.0 16.3 48.9#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.900 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN057955.D
 Acq: 12 Sep 2019 9:24

Tgt Ion: 117 Resp: 30480
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.9 115.3#
 121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 0.664 ug/l

RT: 8.25 min Scan# 2015

Delta R.T. 0.10 min

Lab File: VN057955.D

Acq: 12 Sep 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VN0913MBL01

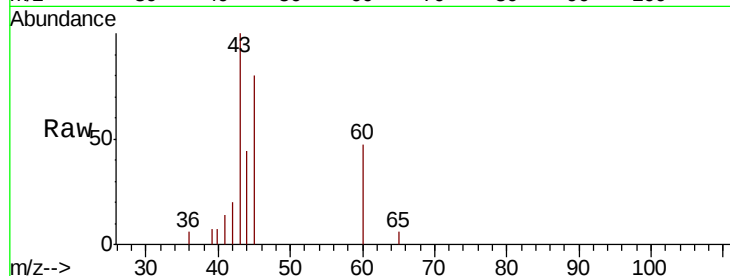
Tgt Ion: 43 Resp: 6527

Ion Ratio Lower Upper

43 100

61 0.0 20.1 30.1#

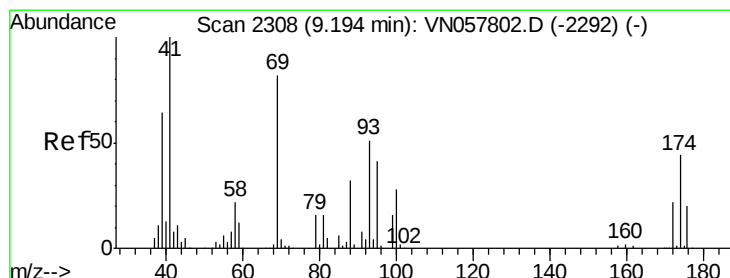
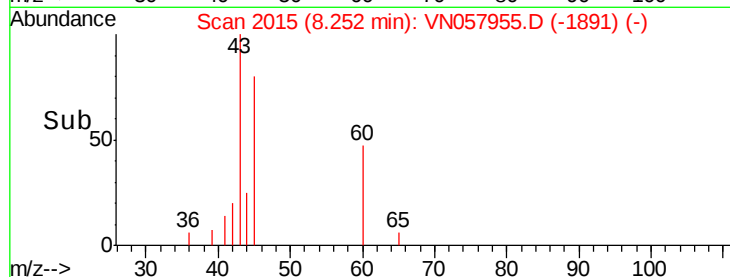
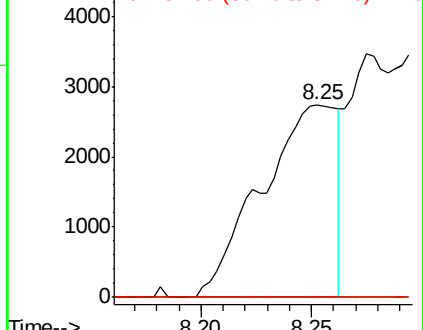
87 0.0 9.5 14.3#



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



#49

1,4-Dioxane

Concen: 0.723 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN057955.D

Acq: 12 Sep 2019 9:24

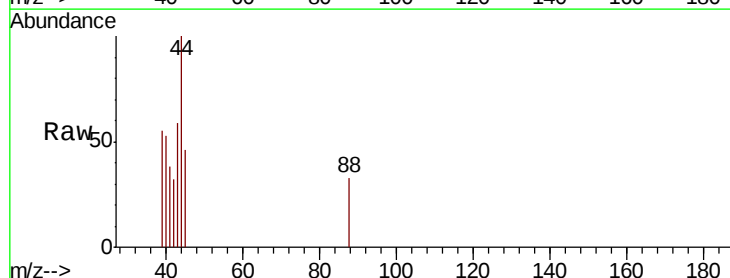
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 263.9 28.5 42.7#

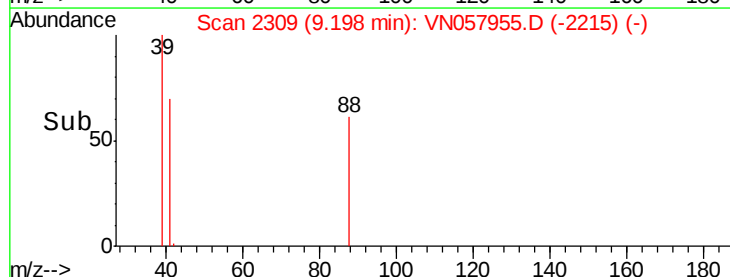
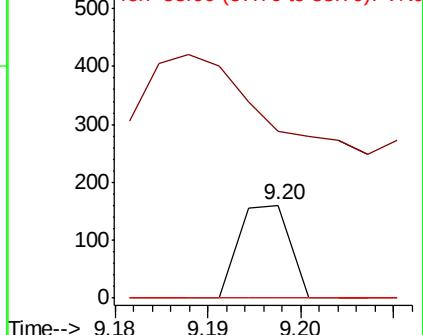
58 0.0 55.8 83.6#

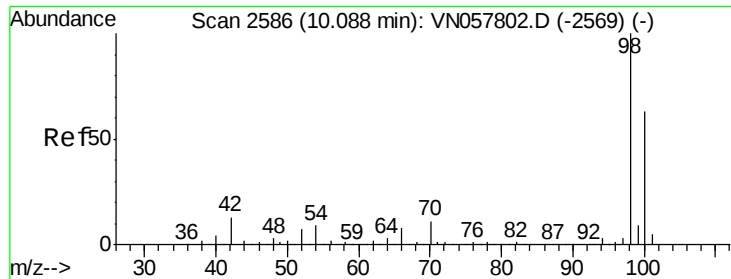


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 49.375 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057955.D

Acq: 12 Sep 2019 9:24

Instrument :

MSVOA_N

ClientSampled :

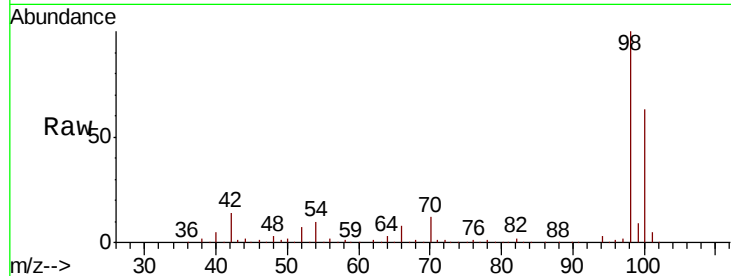
VN0913MBL01

Tgt Ion: 98 Resp: 863298

Ion Ratio Lower Upper

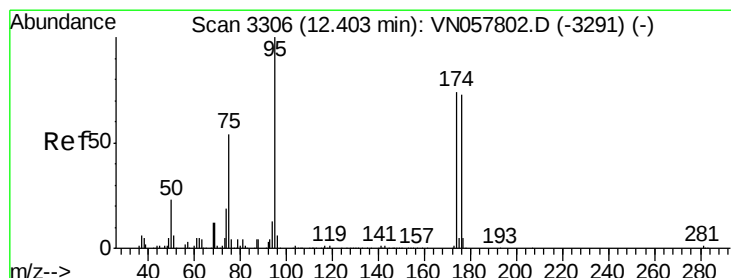
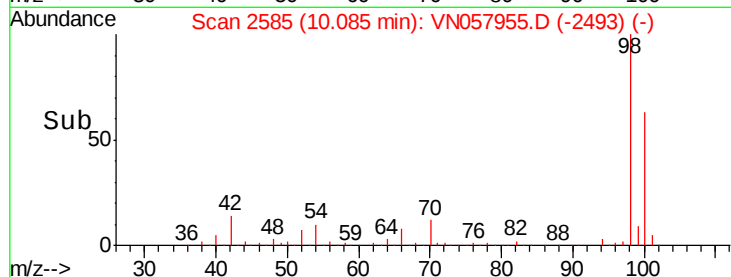
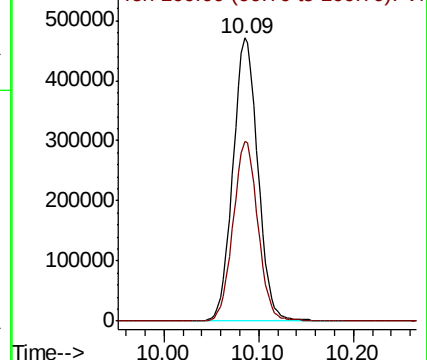
98 100

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): VN



#62

4-Bromofluorobenzene

Concen: 41.238 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057955.D

Acq: 12 Sep 2019 9:24

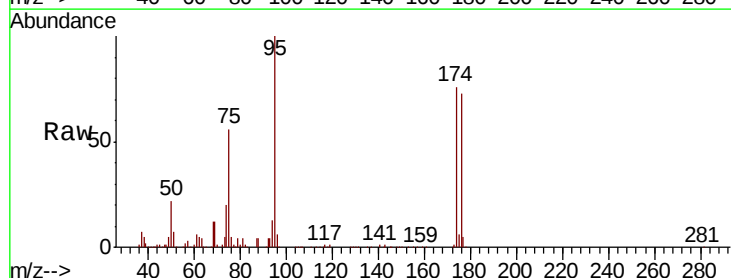
Tgt Ion: 95 Resp: 274775

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.2

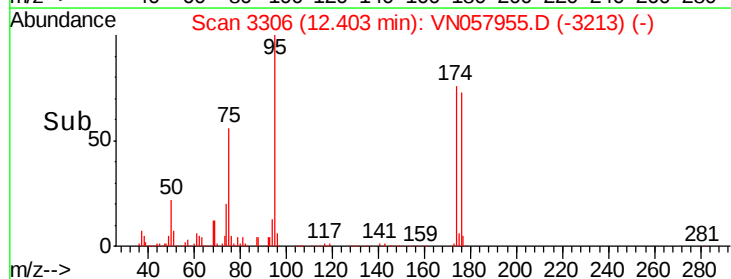
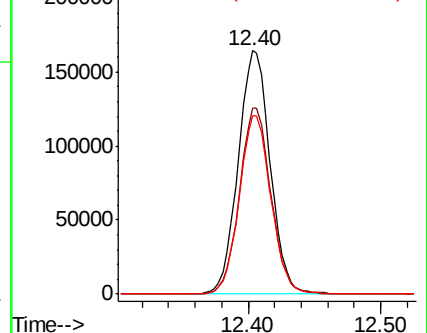
176 72.8 0.0 146.0

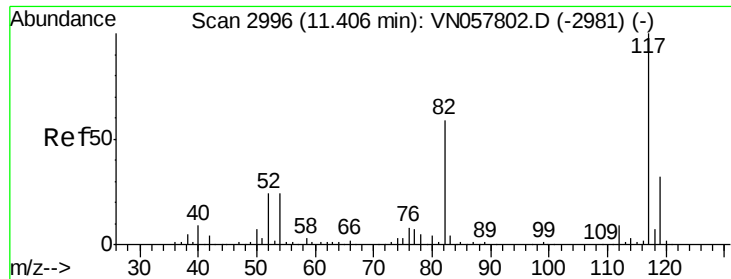


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

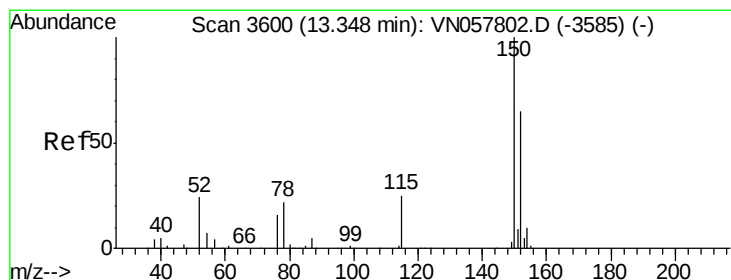
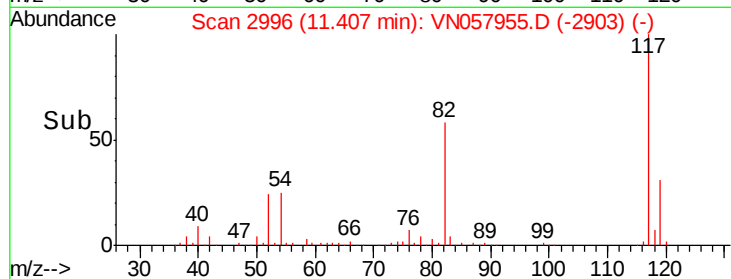
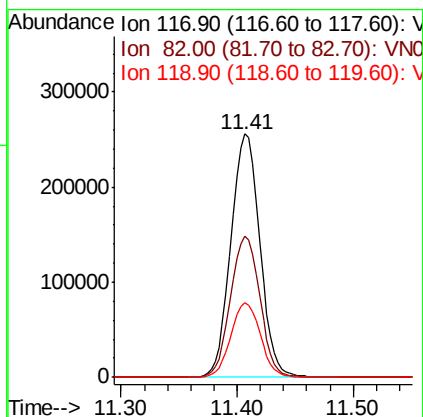
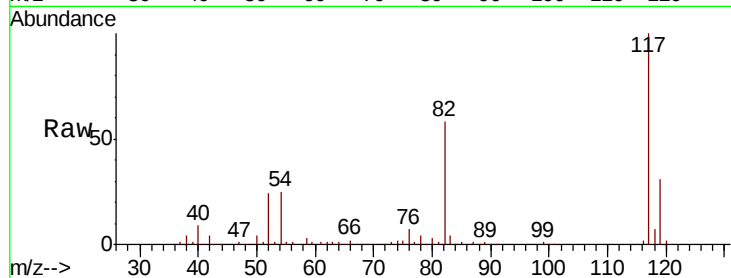




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN057955.D
 Acq: 12 Sep 2019 9:24

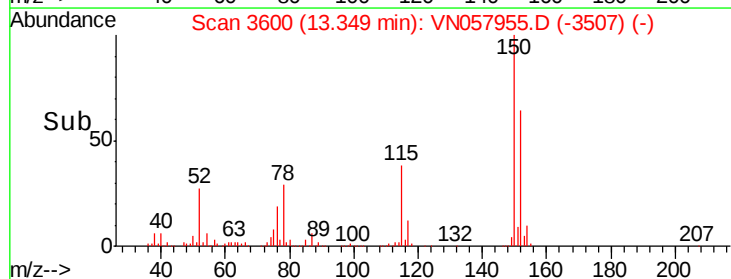
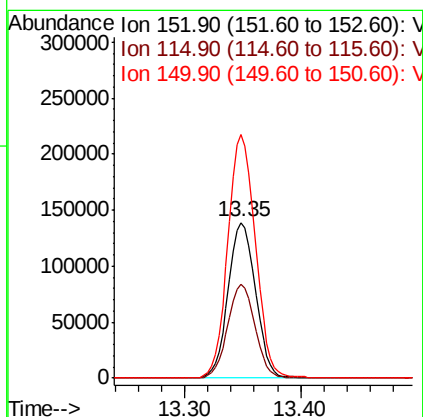
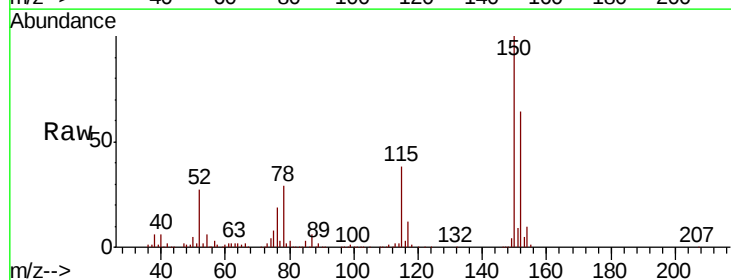
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913MBL01

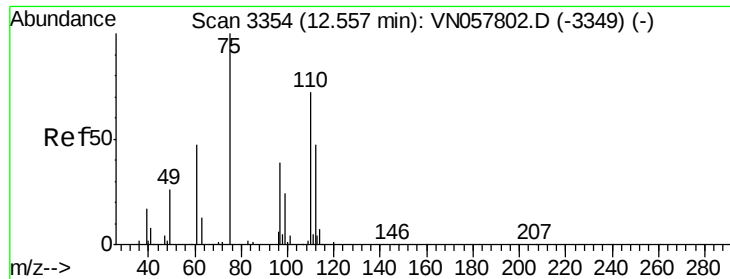
Tgt Ion:117 Resp: 442971
 Ion Ratio Lower Upper
 117 100
 82 57.8 47.2 70.8
 119 30.5 25.3 37.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN057955.D
 Acq: 12 Sep 2019 9:24

Tgt Ion:152 Resp: 228749
 Ion Ratio Lower Upper
 152 100
 115 59.9 30.3 91.0
 150 156.5 0.0 352.4

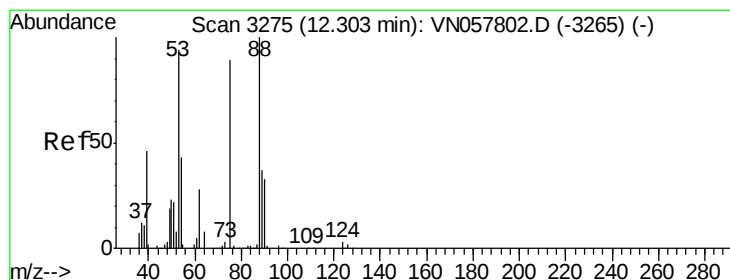
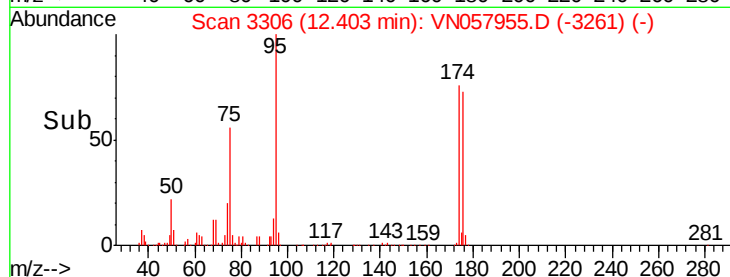
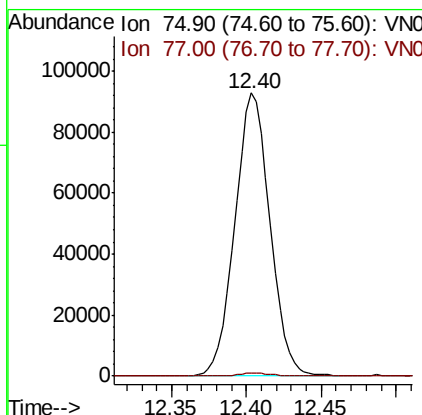
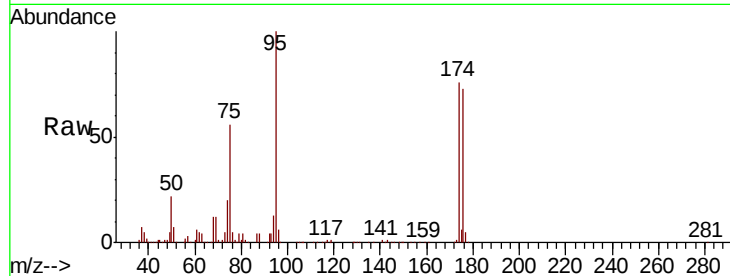




#76
 1,2,3-Trichloropropane
 Concen: 29.300 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN057955.D
 Acq: 12 Sep 2019 9:24

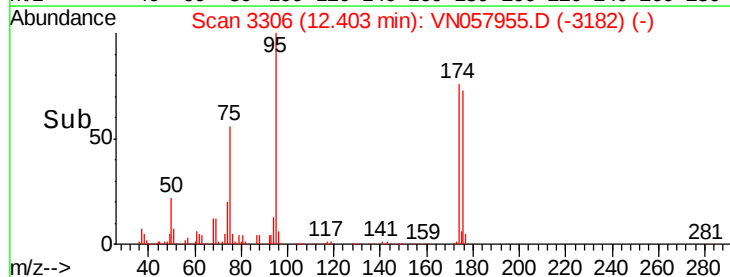
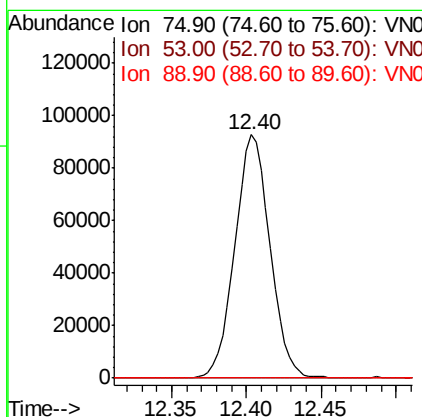
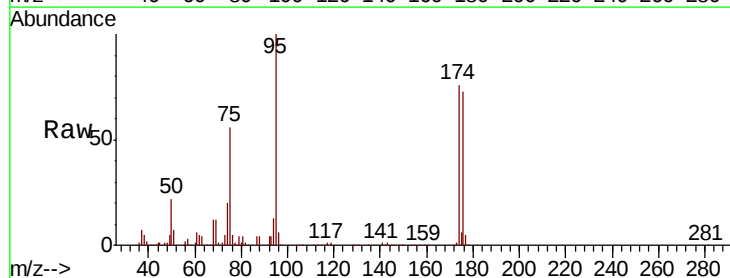
Instrument :
 MSVOA_N
 ClientSampled :
 VN0913MBL01

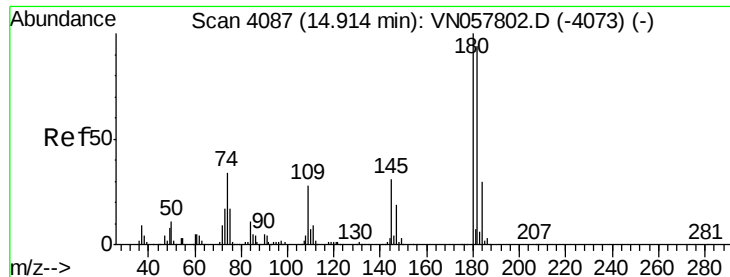
Tgt Ion: 75 Resp: 151620
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.108 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057955.D
 Acq: 12 Sep 2019 9:24

Tgt Ion: 75 Resp: 151620
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 35.3 52.9#

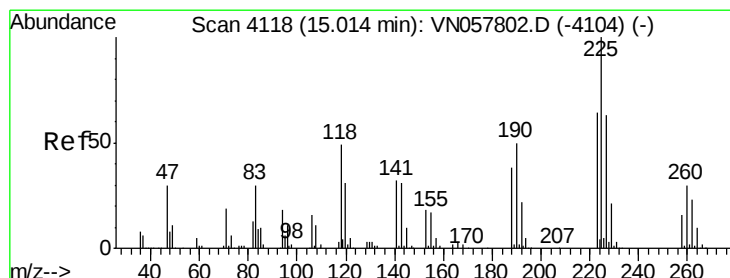
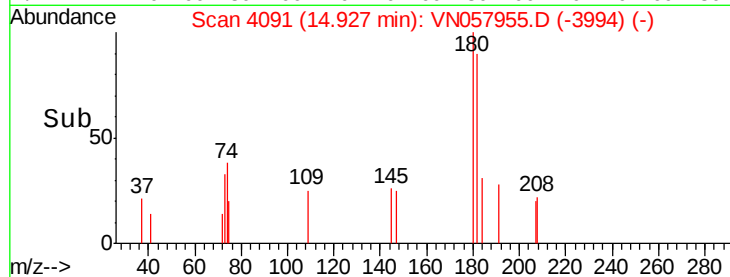
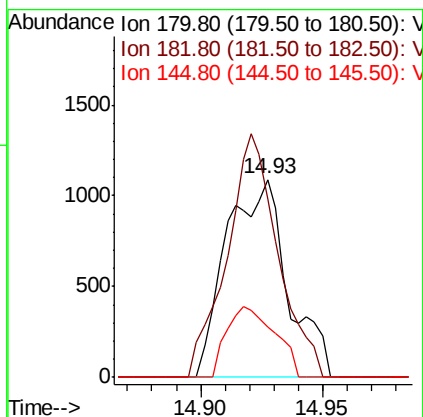
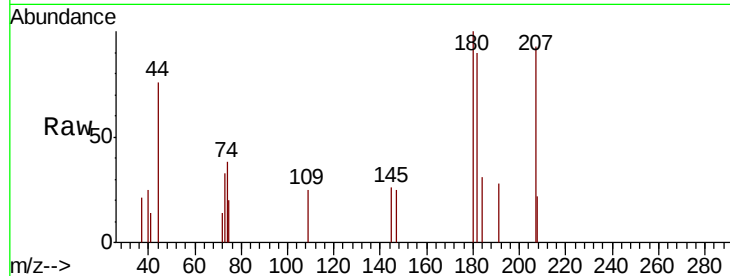




#93
 1,2,4-Trichlorobenzene
 Concen: 0.358 ug/l
 RT: 14.93 min Scan# 4091
 Delta R.T. 0.01 min
 Lab File: VN057955.D
 Acq: 12 Sep 2019 9:24

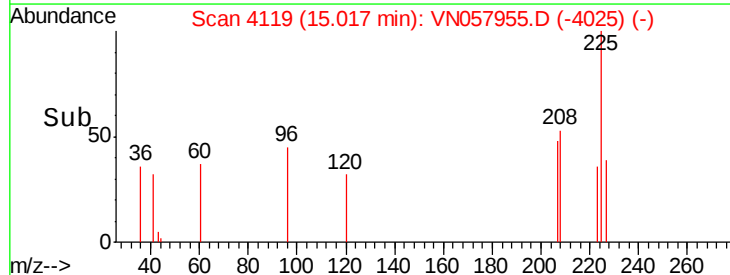
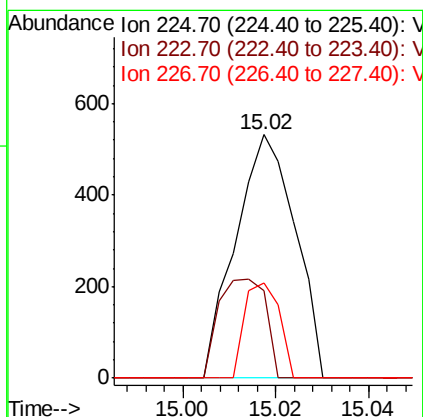
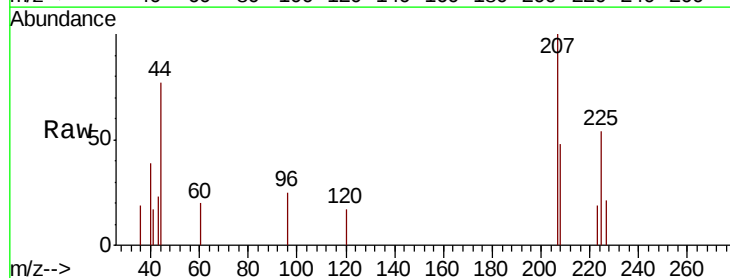
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913MBL01

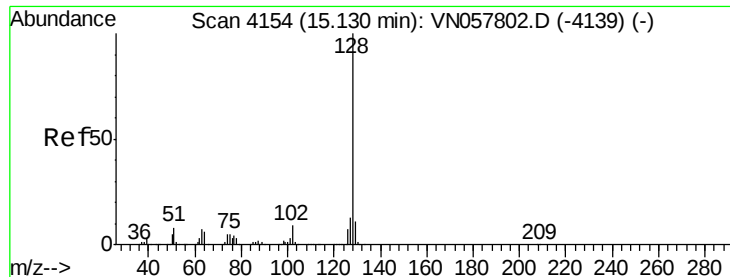
Tgt Ion:180 Resp: 1899
 Ion Ratio Lower Upper
 180 100
 182 102.3 46.9 140.8
 145 28.2 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 0.211 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN057955.D
 Acq: 12 Sep 2019 9:24

Tgt Ion:225 Resp: 474
 Ion Ratio Lower Upper
 225 100
 223 32.1 32.4 97.2#
 227 22.6 31.8 95.4#





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057955.D

Acq: 12 Sep 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VN0913MBL01

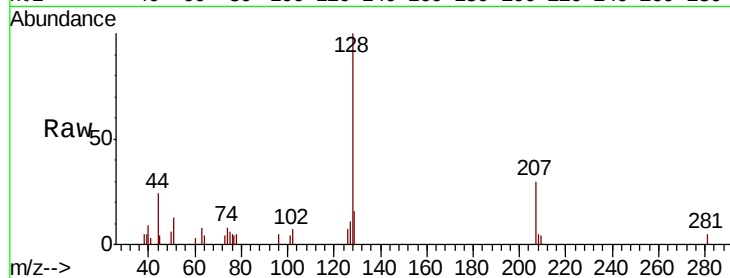
Tgt Ion:128 Resp: 9189

Ion Ratio Lower Upper

128 100

127 10.9 10.3 15.5

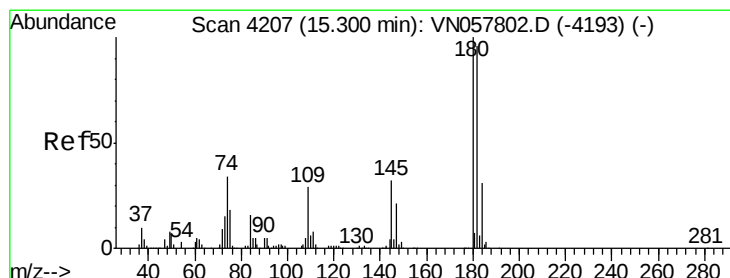
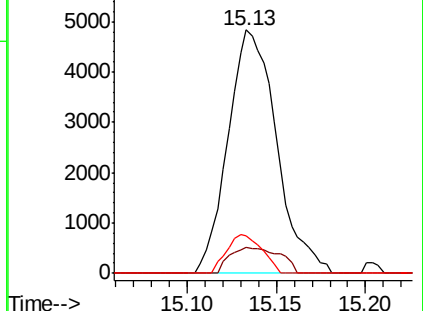
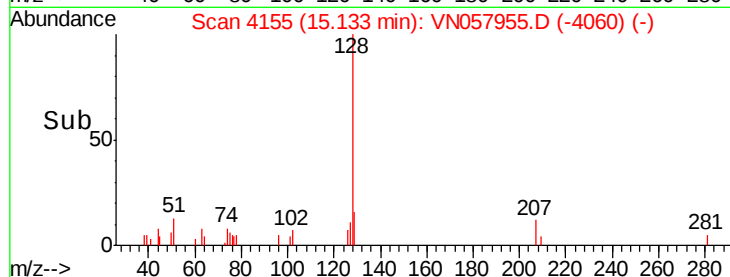
129 11.5 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 1.649 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057955.D

Acq: 12 Sep 2019 9:24

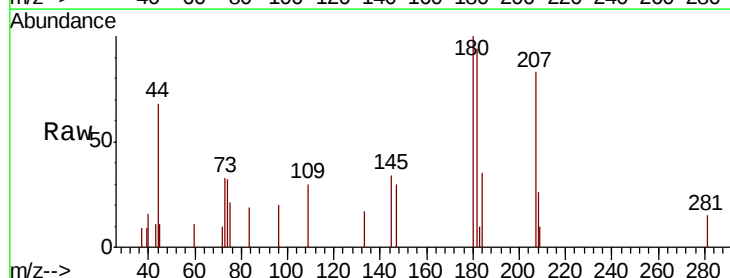
Tgt Ion:180 Resp: 3077

Ion Ratio Lower Upper

180 100

182 91.7 48.3 144.8

145 23.0 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

