

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
 Data File : VN057137.D
 Acq On : 9 Aug 2019 11:23
 Operator : JC/SP
 Sample : K4262-13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBL02

Quant Time: Aug 10 02:09:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

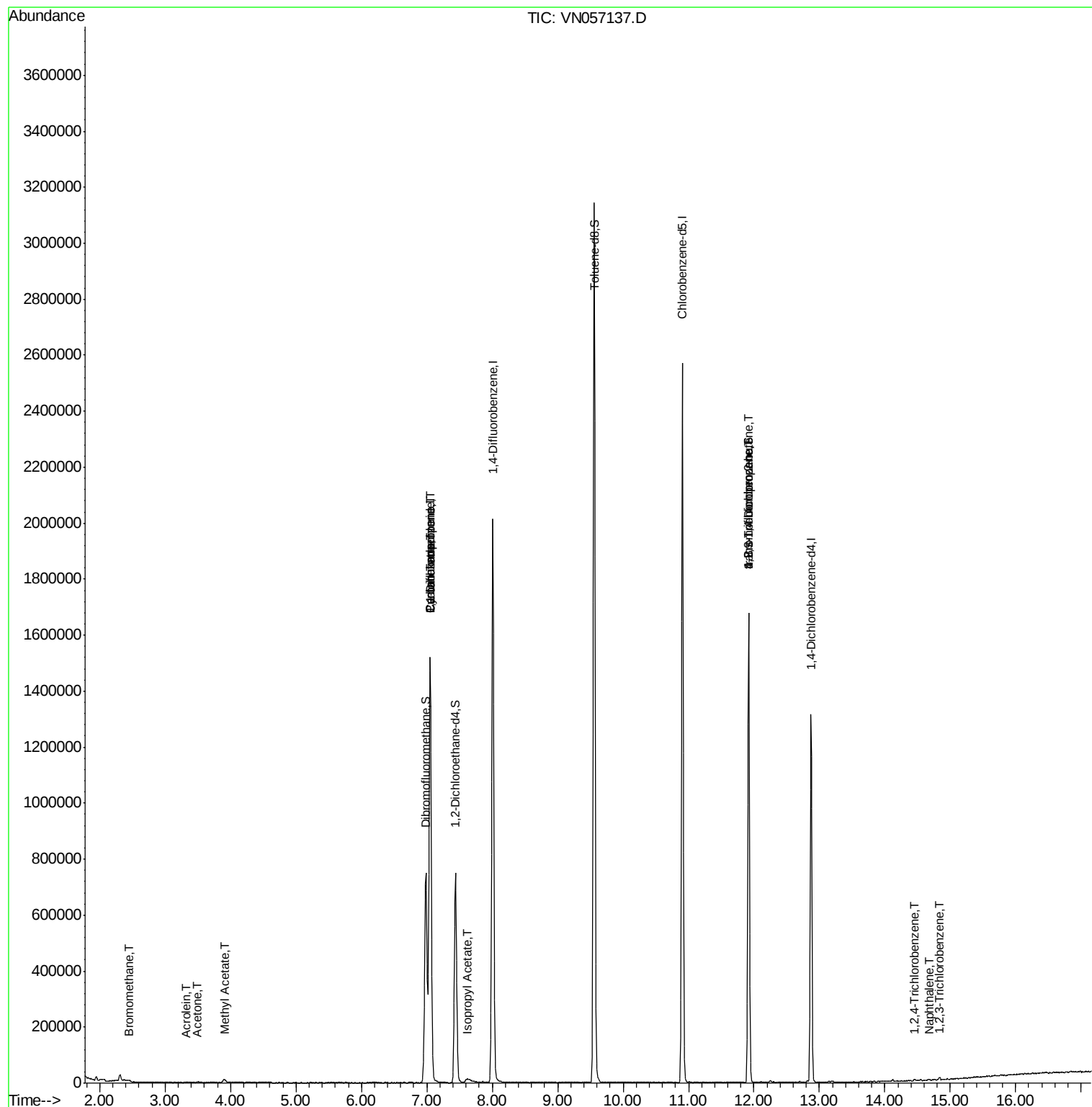
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1457584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	2022397	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1652631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	393080	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	662618	44.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.40%	
35) Dibromofluoromethane	6.99	113	616662	48.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.18%	
50) Toluene-d8	9.56	98	2339946	48.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.92	95	587656	37.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.12%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.44	94	2429	0.247	ug/l #	75
13) Acrolein	3.32	56	669	0.496	ug/l #	49
16) Acetone	3.49	43	1064	0.235	ug/l #	40
18) Methyl Acetate	3.90	43	23321	1.086	ug/l	97
31) Cyclohexane	7.05	56	21400	0.984	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	89096	5.351	ug/l #	48
37) Ethyl Acetate	6.27	43	62	Below Cal	#	70
38) Carbon Tetrachloride	7.05	117	120578	6.948	ug/l #	17
43) Isopropyl Acetate	7.62	43	10518	0.449	ug/l #	51
73) Isopropylbenzene	11.76	105	561	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	12.02	83	77	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.92	75	271755	34.503	ug/l #	100
79) 2-Chlorotoluene	12.20	91	1293	Below Cal		99
81) trans-1,4-Dichloro-2-buten	11.92	75	271755	101.652	ug/l #	14
83) tert-Butylbenzene	12.52	119	1335	Below Cal	#	53
90) Hexachloroethane	13.42	117	31	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.45	180	2457	6.310	ug/l	90
94) Hexachlorobutadiene	14.55	225	836	Below Cal	#	56
95) Naphthalene	14.67	128	3799	3.178	ug/l #	89
96) 1,2,3-Trichlorobenzene	14.84	180	2671	6.123	ug/l	83

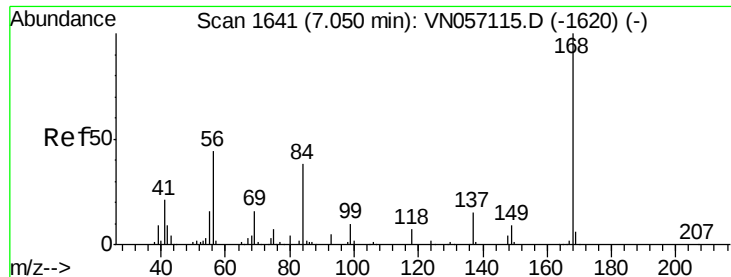
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057137.D

Acq: 9 Aug 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

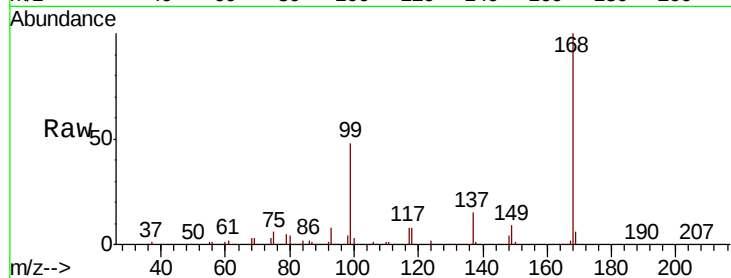
VN0809WBL02

Tgt Ion:168 Resp: 1457584

Ion Ratio Lower Upper

168 100

99 48.3 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): VN057137.D (-1548) (-)

Ion 98.90 (98.60 to 99.60): VN057137.D (-1548) (-)

7.05

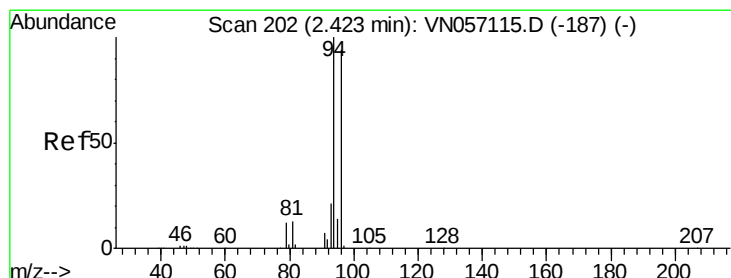
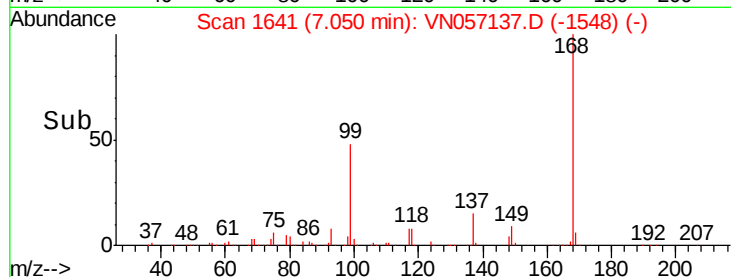
600000

400000

200000

0

Time-->



#5

Bromomethane

Concen: 0.247 ug/l

RT: 2.44 min Scan# 208

Delta R.T. 0.02 min

Lab File: VN057137.D

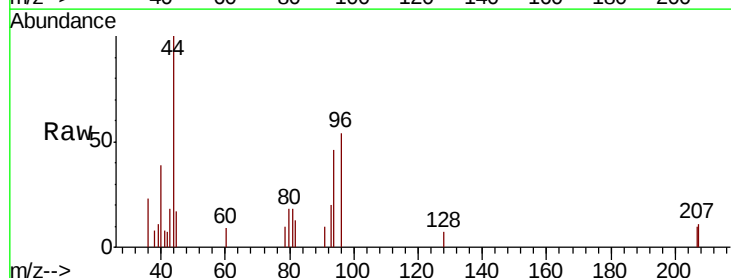
Acq: 9 Aug 2019 11:23

Tgt Ion: 94 Resp: 2429

Ion Ratio Lower Upper

94 100

96 118.1 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VN057137.D (-108) (-)

Ion 95.90 (95.60 to 96.60): VN057137.D (-108) (-)

2.44

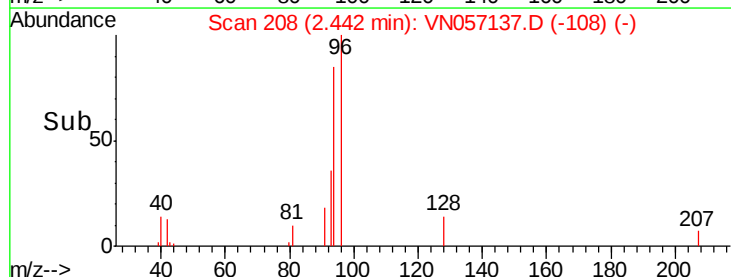
1500

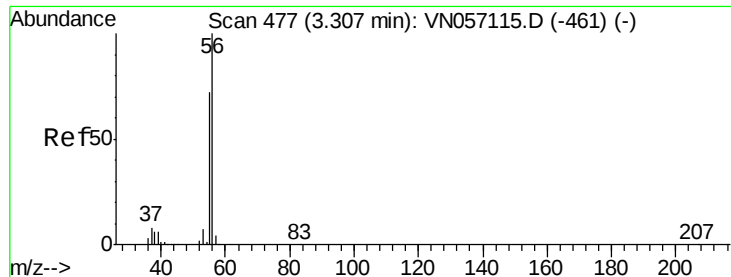
1000

500

0

Time-->





#13

Acrolein

Concen: 0.496 ug/l

RT: 3.32 min Scan# 480

Delta R.T. 0.01 min

Lab File: VN057137.D

Acq: 9 Aug 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

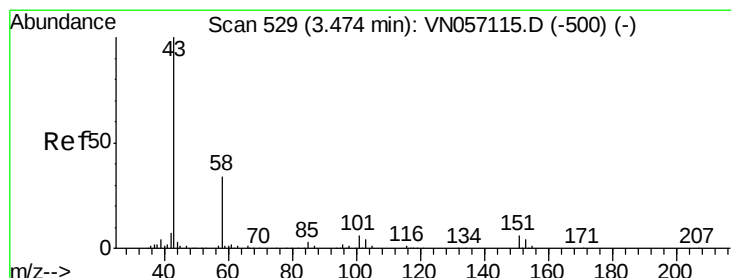
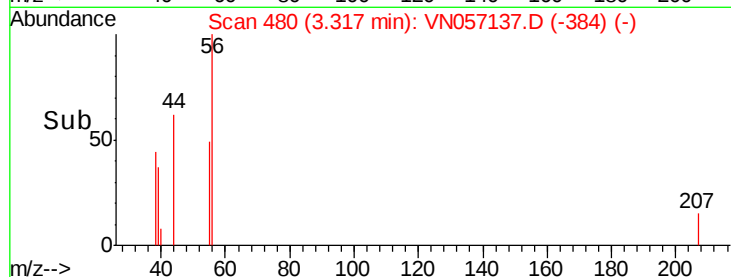
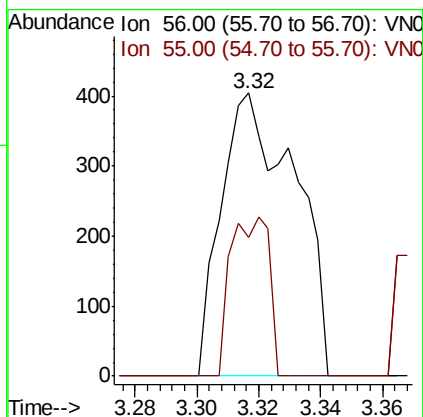
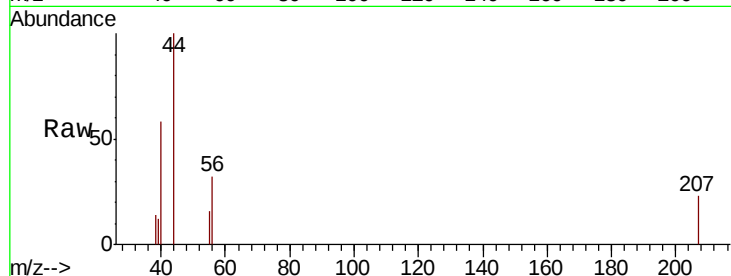
VN0809WBL02

Tgt Ion: 56 Resp: 669

Ion Ratio Lower Upper

56 100

55 29.6 57.7 86.5#



#16

Acetone

Concen: 0.235 ug/l

RT: 3.49 min Scan# 533

Delta R.T. 0.01 min

Lab File: VN057137.D

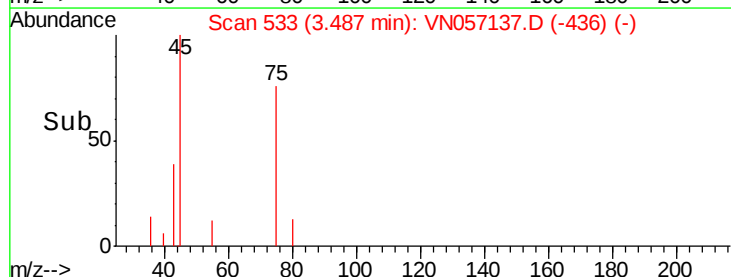
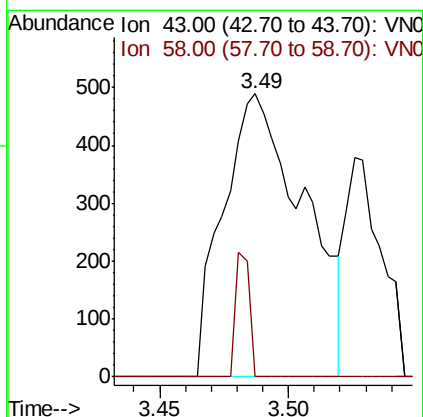
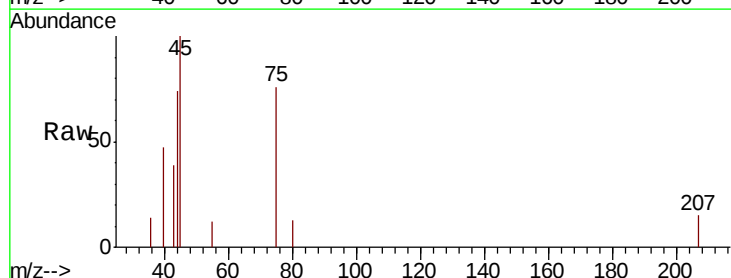
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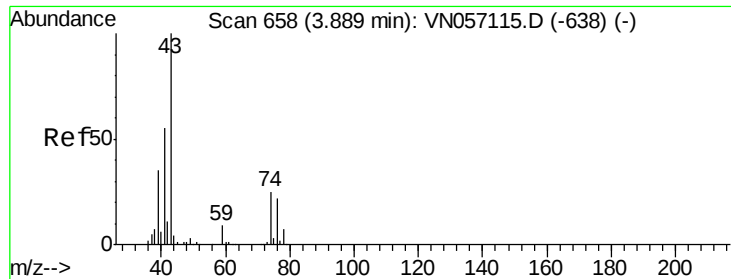
Tgt Ion: 43 Resp: 1064

Ion Ratio Lower Upper

43 100

58 0.0 27.4 41.2#

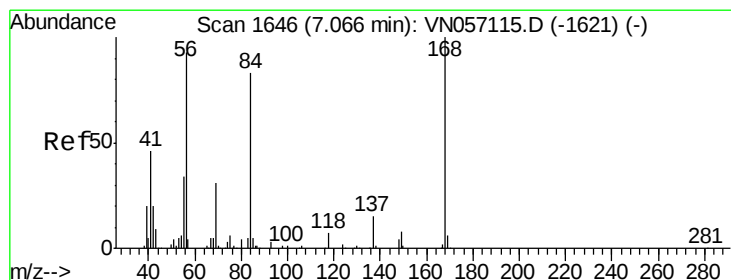
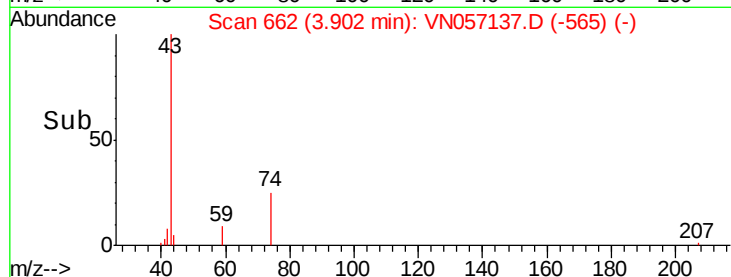
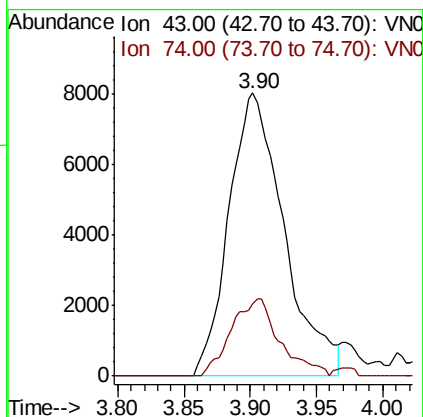
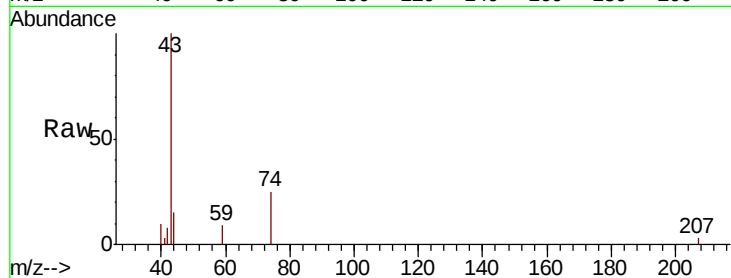




#18
Methyl Acetate
Concen: 1.086 ug/l
RT: 3.90 min Scan# 662
Delta R.T. 0.01 min
Lab File: VN057137.D
Acq: 9 Aug 2019 11:23

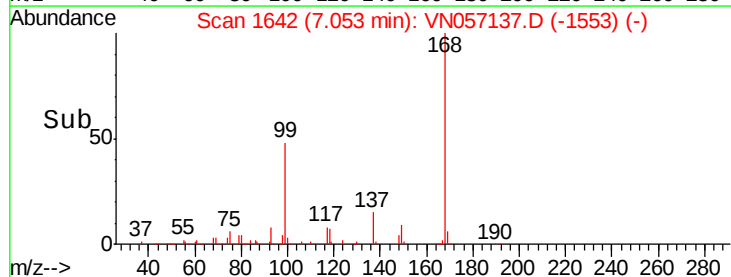
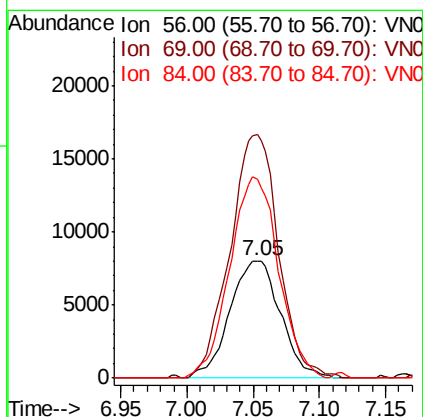
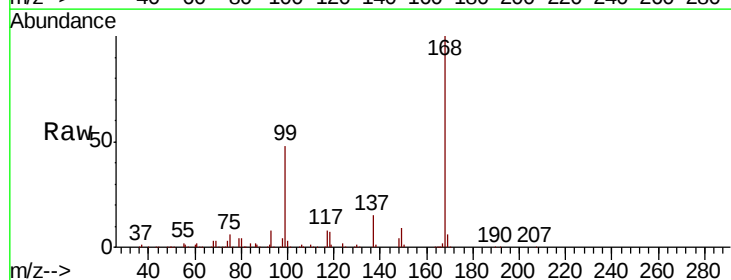
Instrument :
MSVOA_N
ClientSampleId :
VN0809WBL02

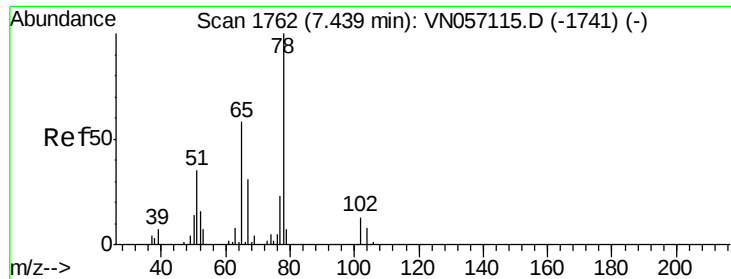
Tgt Ion: 43 Resp: 23321
Ion Ratio Lower Upper
43 100
74 24.0 20.2 30.4



#31
Cyclohexane
Concen: 0.984 ug/l
RT: 7.05 min Scan# 1642
Delta R.T. -0.01 min
Lab File: VN057137.D
Acq: 9 Aug 2019 11:23

Tgt Ion: 56 Resp: 21400
Ion Ratio Lower Upper
56 100
69 207.3 26.9 40.3#
84 167.3 71.9 107.9#

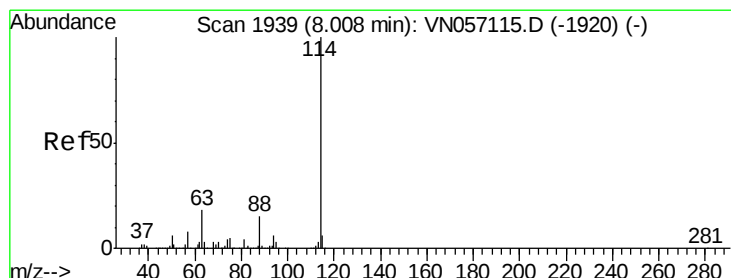
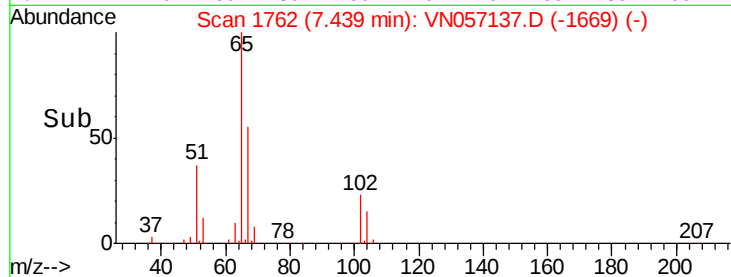
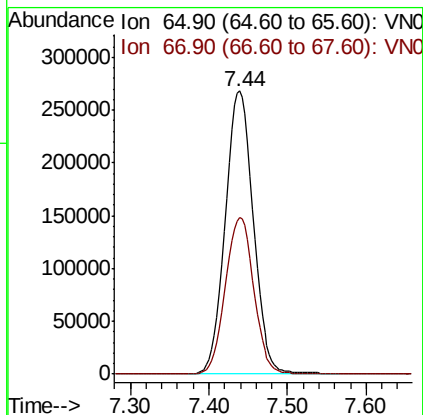
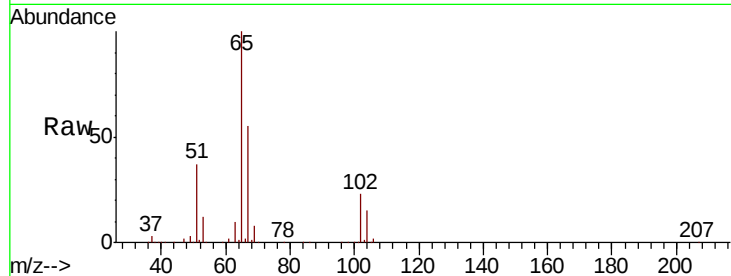




#33
 1,2-Dichloroethane-d4
 Concen: 44.203 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057137.D
 Acq: 9 Aug 2019 11:23

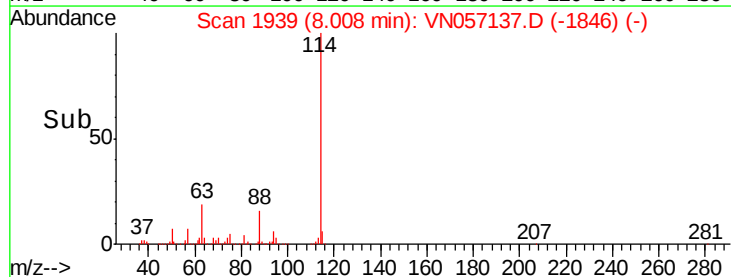
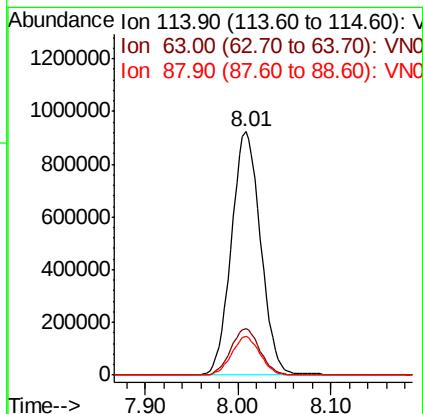
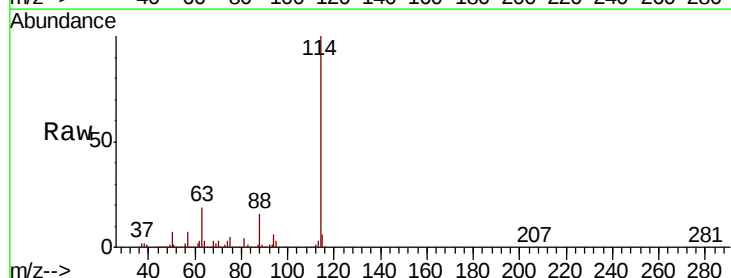
Instrument :
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 ClientSampleId :
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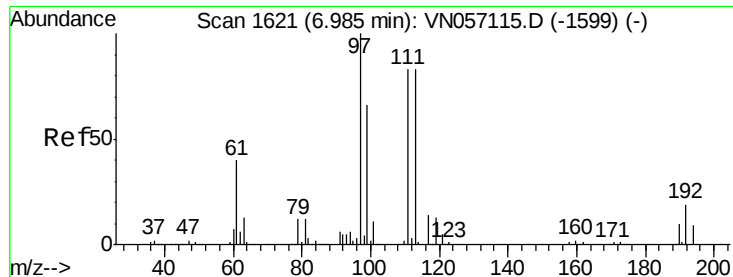
Tgt Ion: 65 Resp: 662618
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057137.D
 Acq: 9 Aug 2019 11:23

Tgt Ion: 114 Resp: 2022397
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 36.2
 88 15.7 0.0 30.0

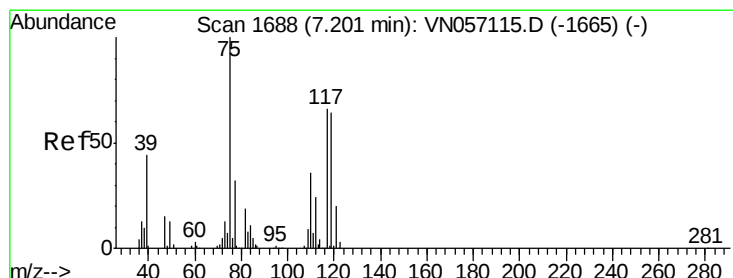
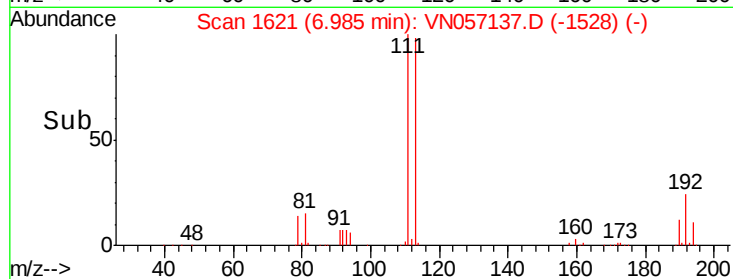
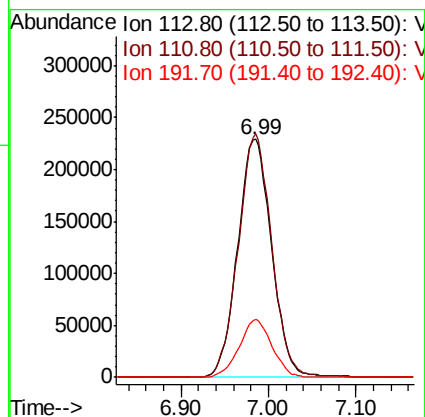
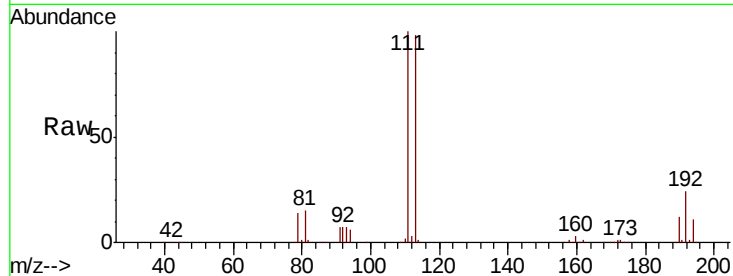




#35
 Dibromofluoromethane
 Concen: 48.591 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VN057137.D
 Acq: 9 Aug 2019 11:23

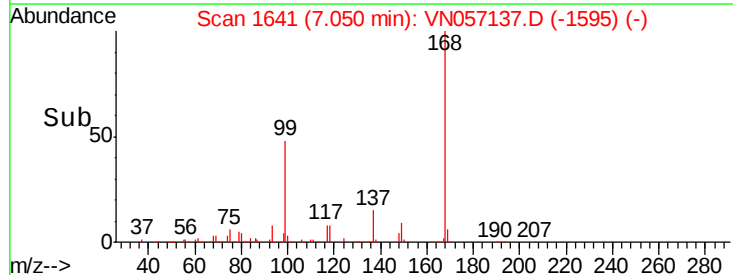
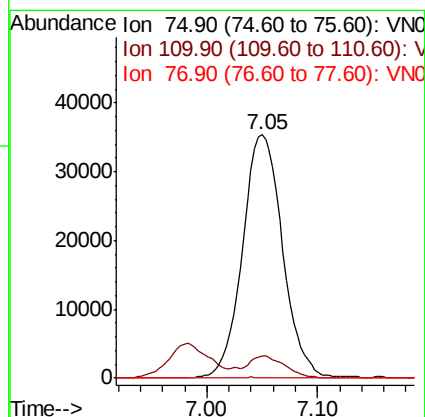
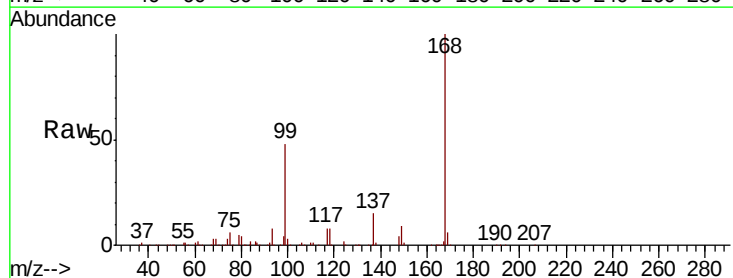
Instrument :
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 ClientSampleId :
 VN0809WBL02

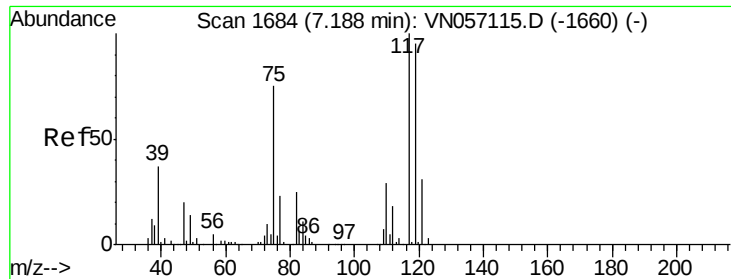
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.3	121.9
192	23.4	19.0	28.4



#36
 1,1-Dichloropropene
 Concen: 5.351 ug/l
 RT: 7.05 min Scan# 1641
 Delta R.T. -0.15 min
 Lab File: VN057137.D
 Acq: 9 Aug 2019 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.7	56.1#
77	0.0	25.0	37.4#

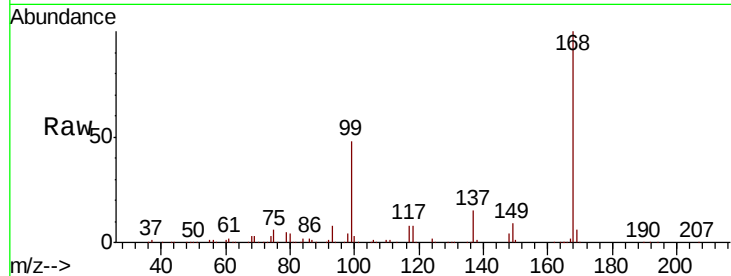




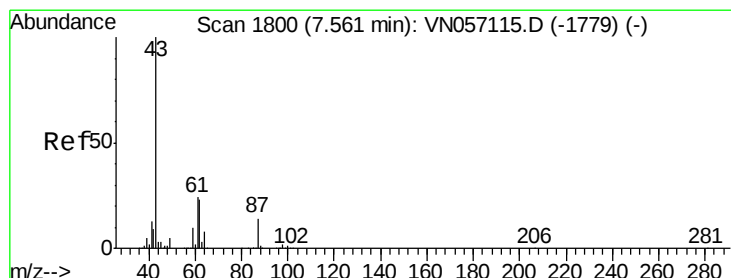
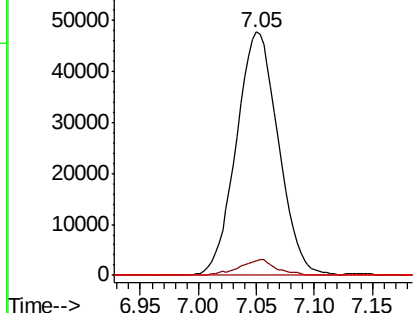
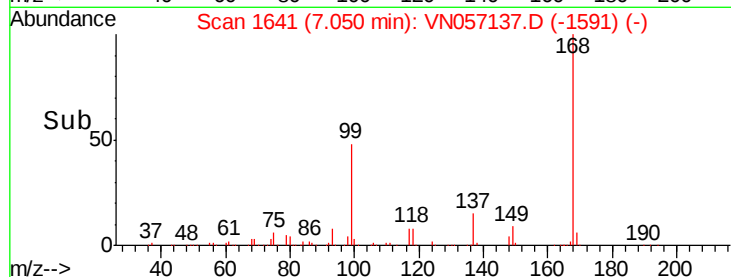
#38
 Carbon Tetrachloride
 Concen: 6.948 ug/l
 RT: 7.05 min Scan# 1641
 Delta R.T. -0.14 min
 Lab File: VN057137.D
 Acq: 9 Aug 2019 11:23

Instrument :
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 ClientSampleId :
 VN0809WBL02

Tgt Ion: 117 Resp: 120578
 Ion Ratio Lower Upper
 117 100
 119 5.8 75.8 113.6#
 121 0.0 24.4 36.6#

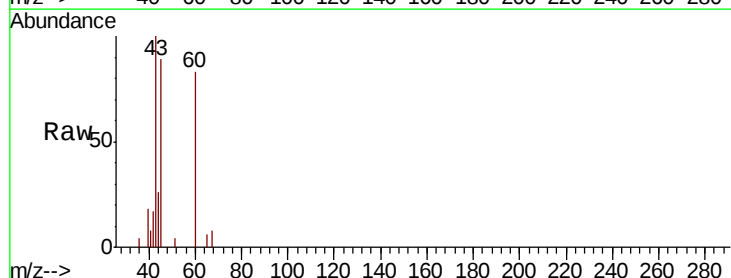


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

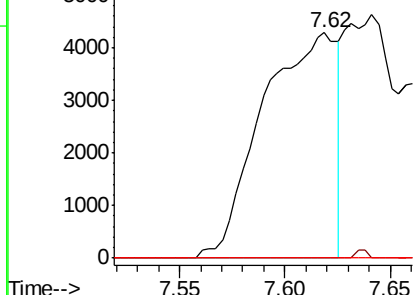
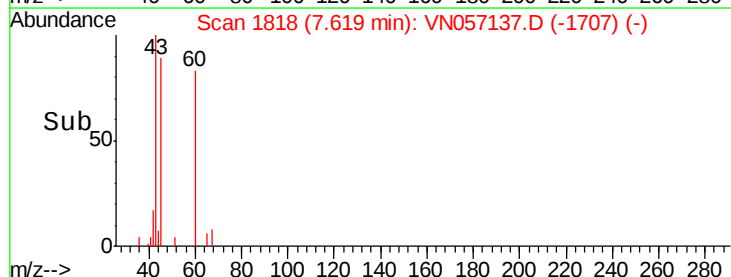


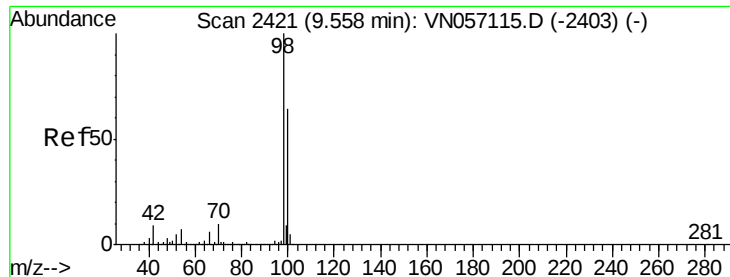
#43
 Isopropyl Acetate
 Concen: 0.449 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. 0.06 min
 Lab File: VN057137.D
 Acq: 9 Aug 2019 11:23

Tgt Ion: 43 Resp: 10518
 Ion Ratio Lower Upper
 43 100
 61 0.0 24.2 36.2#
 87 0.0 11.8 17.8#



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

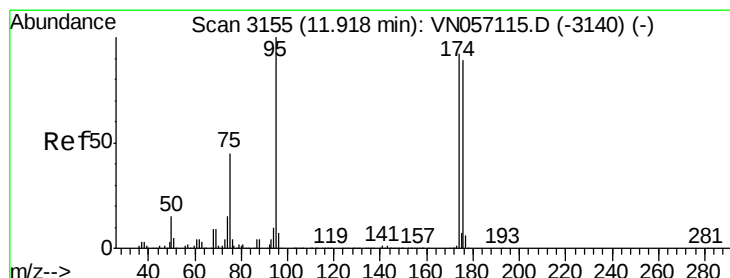
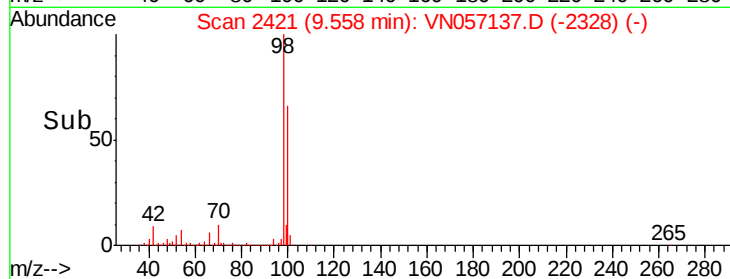
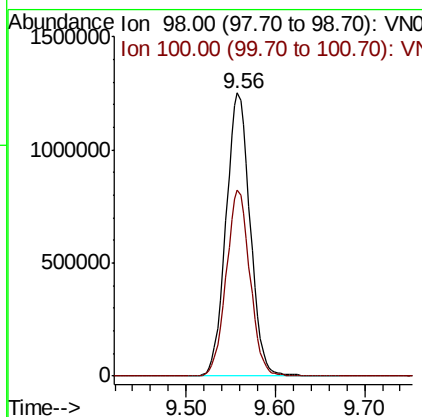
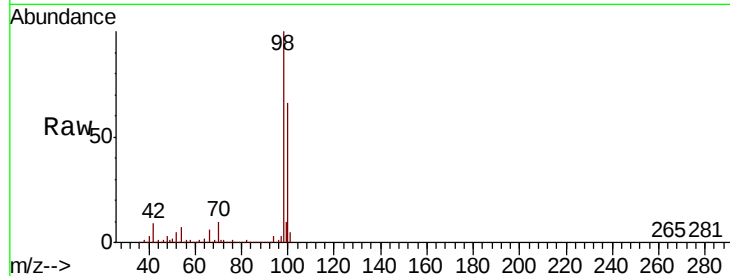




#50
Toluene-d8
Concen: 48.194 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057137.D
Acq: 9 Aug 2019 11:23

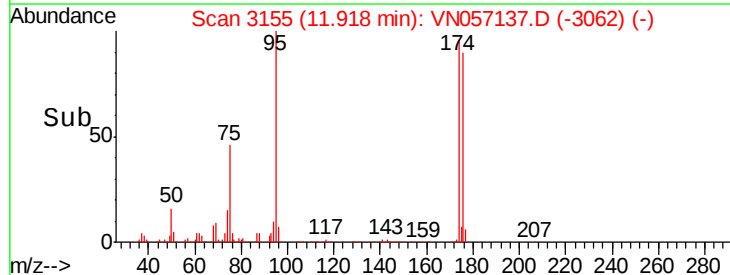
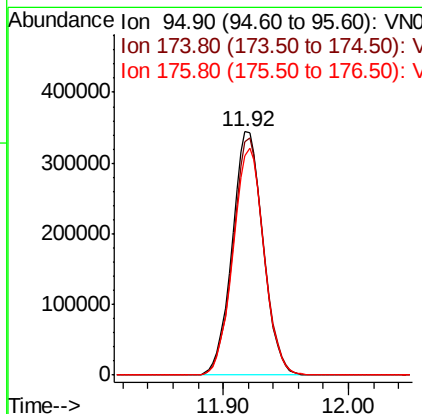
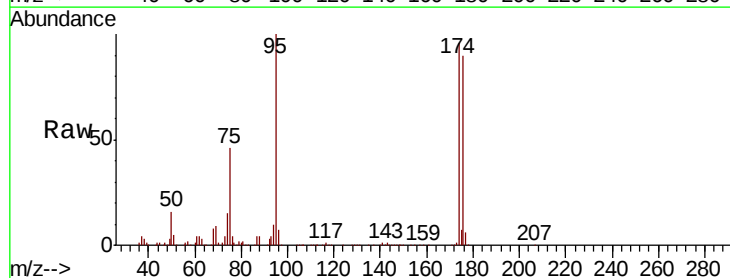
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MSVOA_N
ClientSampled :
VN0809WBL02

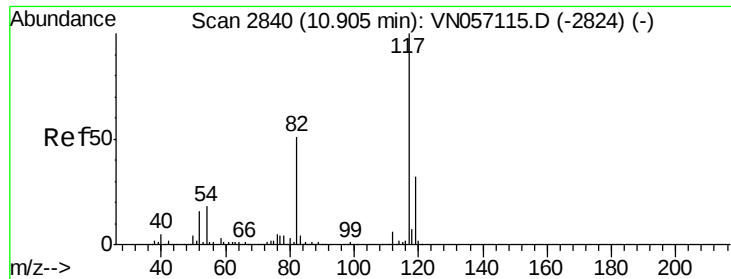
Tgt Ion: 98 Resp: 2339946
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 37.564 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. -0.00 min
Lab File: VN057137.D
Acq: 9 Aug 2019 11:23

Tgt Ion: 95 Resp: 587656
Ion Ratio Lower Upper
95 100
174 96.7 0.0 185.0
176 93.3 0.0 181.2

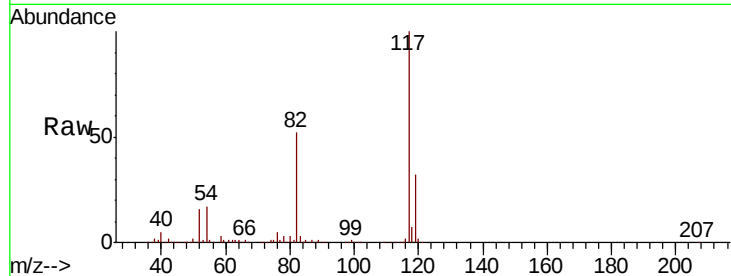




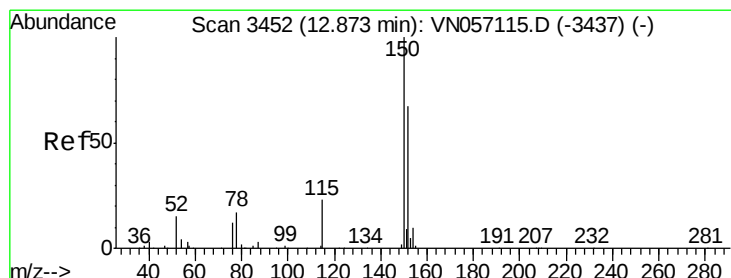
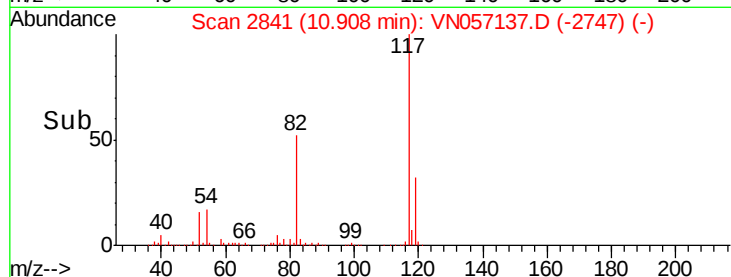
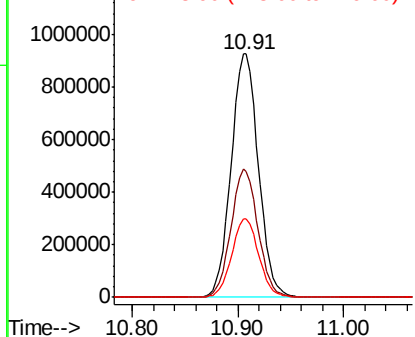
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057137.D
Acq: 9 Aug 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0809WBL02

Tgt Ion:117 Resp: 1652631
Ion Ratio Lower Upper
117 100
82 51.9 40.8 61.2
119 32.4 25.7 38.5

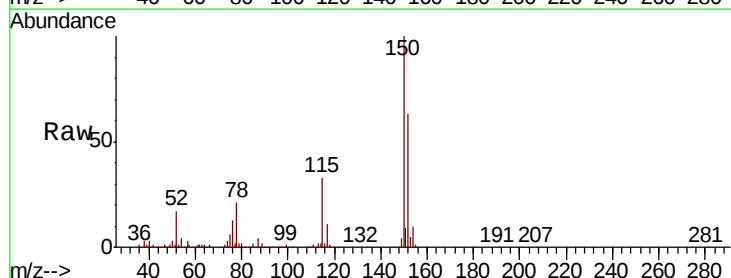


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

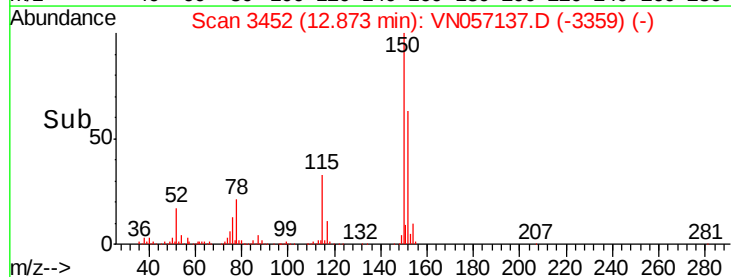
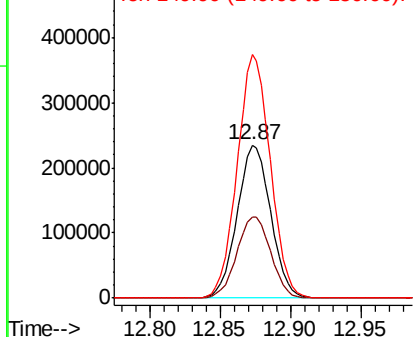


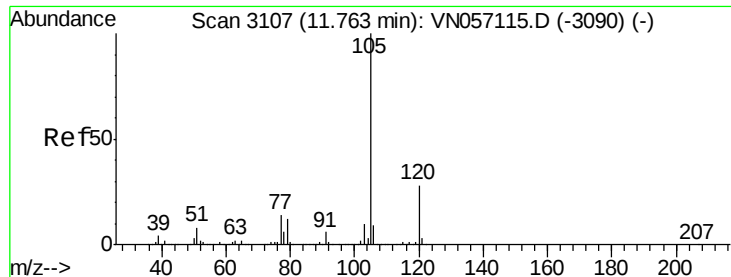
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.87 min Scan# 3452
Delta R.T. -0.00 min
Lab File: VN057137.D
Acq: 9 Aug 2019 11:23

Tgt Ion:152 Resp: 393080
Ion Ratio Lower Upper
152 100
115 53.6 27.5 82.5
150 157.0 0.0 341.6



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





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.76 min Scan# 3105

Delta R.T. -0.01 min

Lab File: VN057137.D

Acq: 9 Aug 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

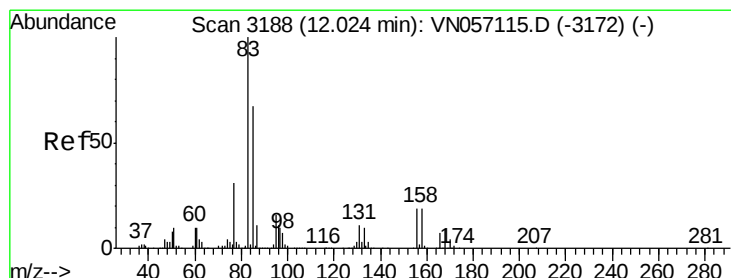
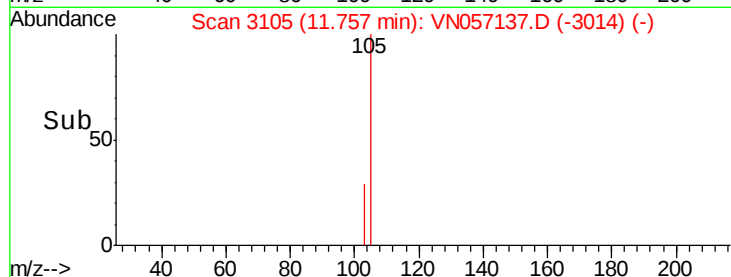
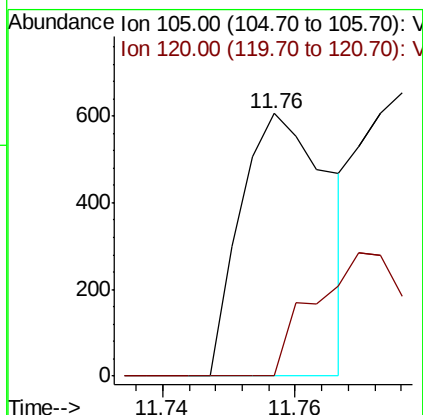
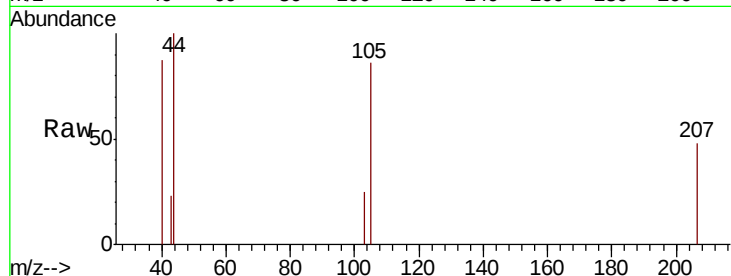
VN0809WBL02

Tgt Ion: 105 Resp: 561

Ion Ratio Lower Upper

105 100

120 0.0 13.7 41.0#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.02 min Scan# 3187

Delta R.T. -0.00 min

Lab File: VN057137.D

Acq: 9 Aug 2019 11:23

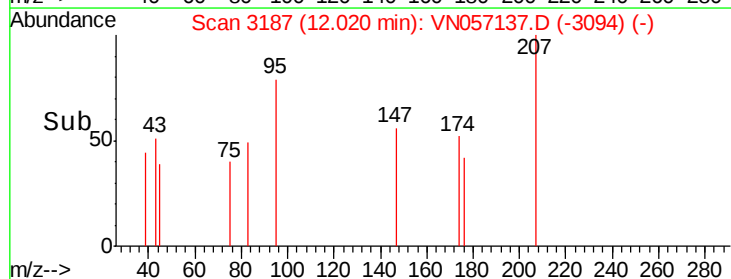
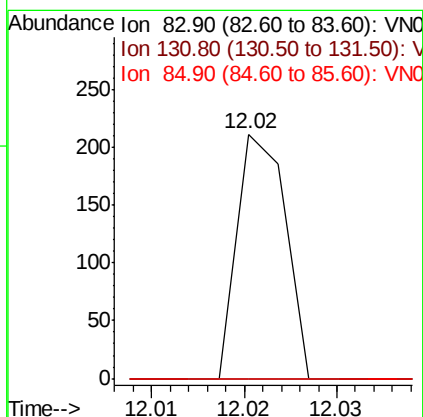
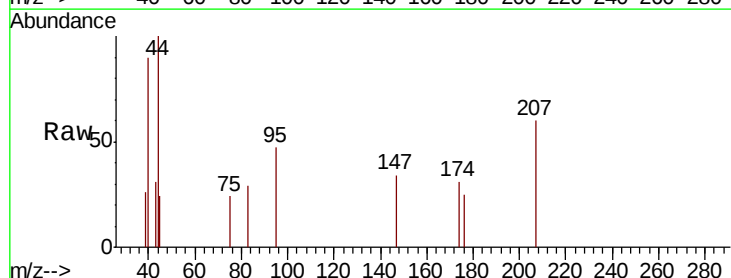
Tgt Ion: 83 Resp: 77

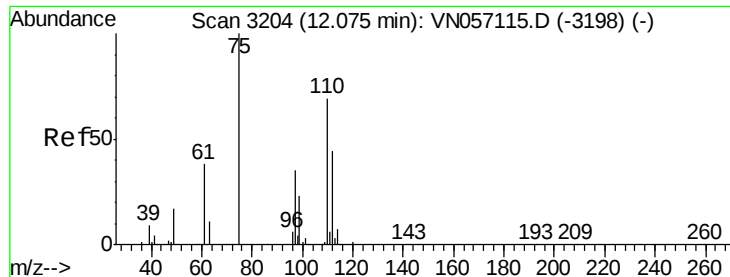
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 0.0 32.4 97.0#





#76

1,2,3-Trichloropropane

Concen: 34.503 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.16 min

Lab File: VN057137.D

Acq: 9 Aug 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

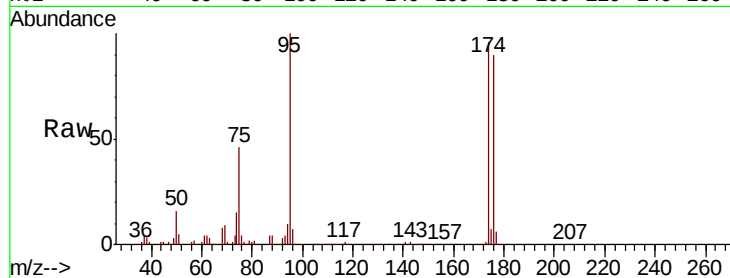
VN0809WBL02

Tgt Ion: 75 Resp: 271755

Ion Ratio Lower Upper

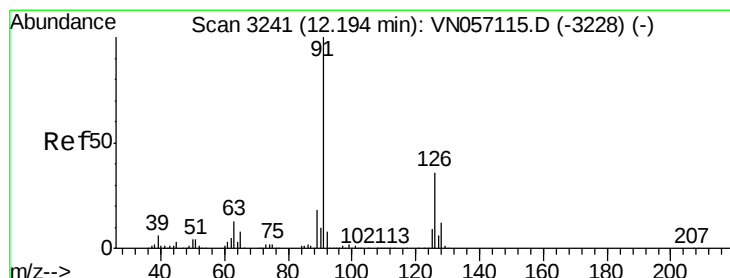
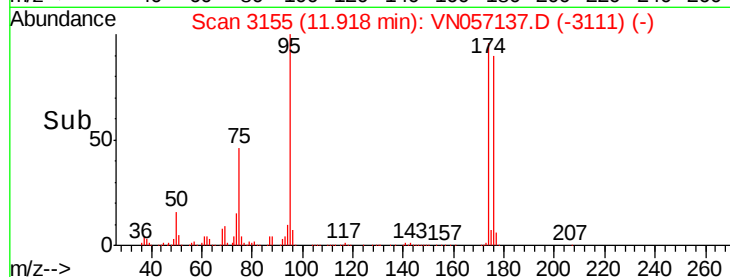
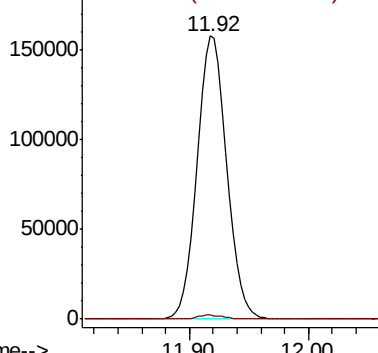
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.20 min Scan# 3243

Delta R.T. 0.01 min

Lab File: VN057137.D

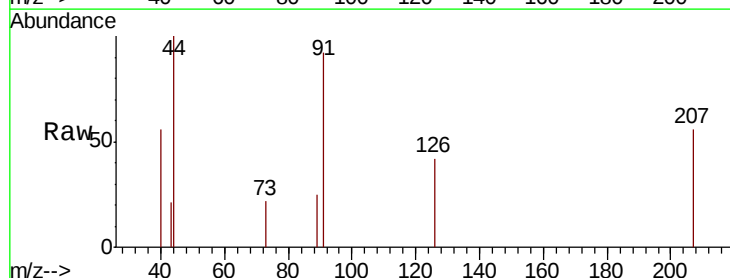
Acq: 9 Aug 2019 11:23

Tgt Ion: 91 Resp: 1293

Ion Ratio Lower Upper

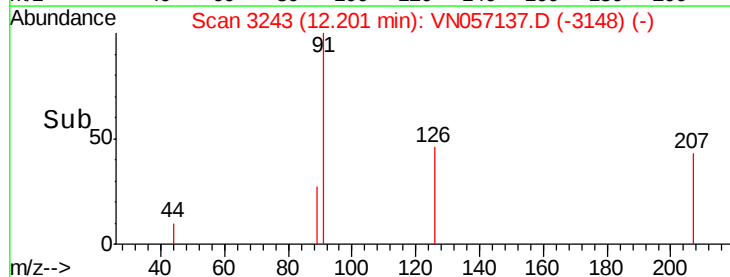
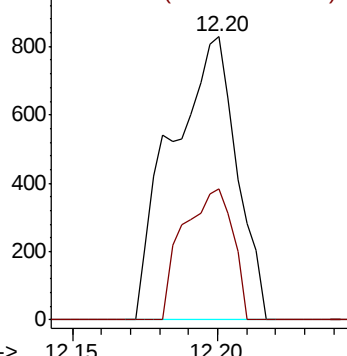
91 100

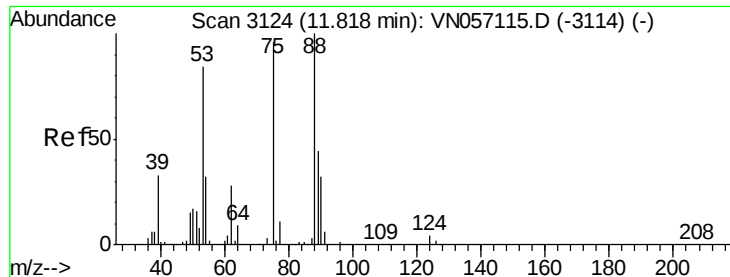
126 35.3 18.1 54.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 101.652 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. 0.10 min

Lab File: VN057137.D

Acq: 9 Aug 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0809WBL02

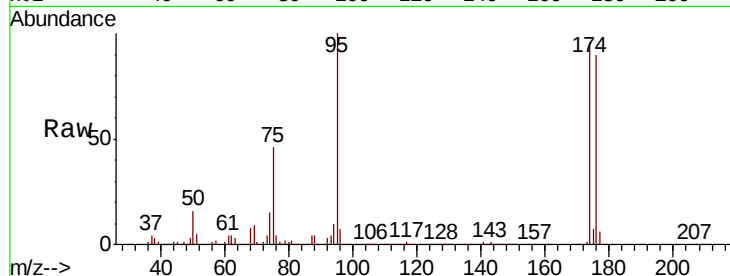
Tgt Ion: 75 Resp: 271755

Ion Ratio Lower Upper

75 100

53 0.0 70.6 106.0#

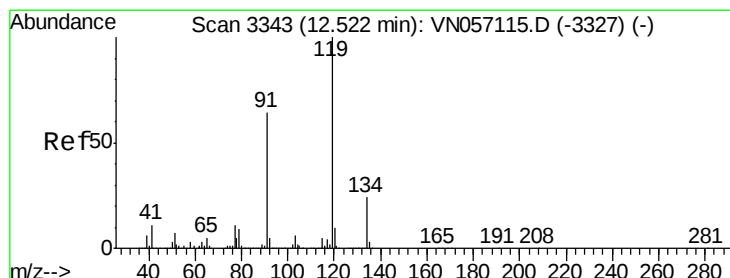
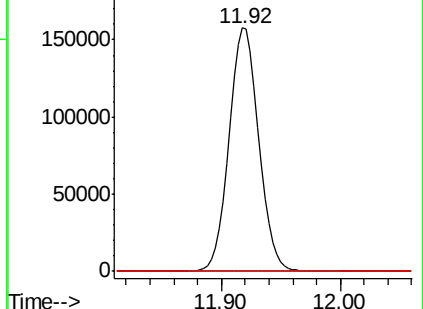
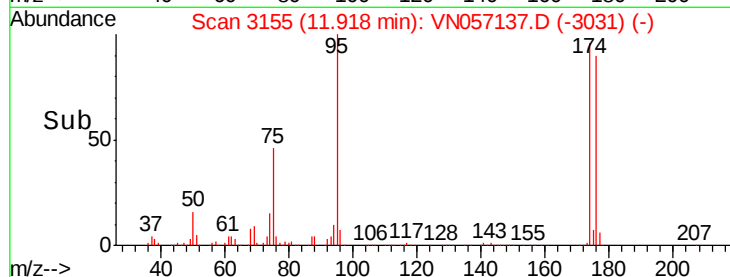
89 0.0 36.4 54.6#



Abundance Ion 74.90 (74.60 to 75.60): VN057137.D (-3031) (-)

Ion 53.00 (52.70 to 53.70): VN057137.D (-3031) (-)

Ion 88.90 (88.60 to 89.60): VN057137.D (-3031) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN057137.D

Acq: 9 Aug 2019 11:23

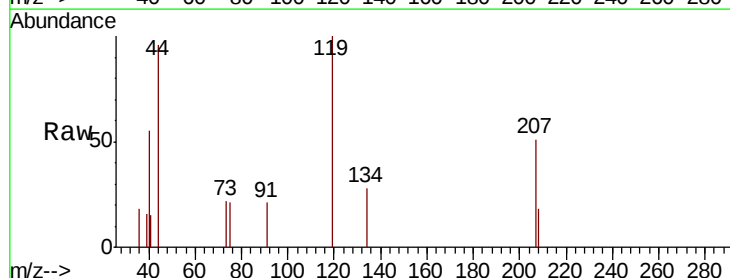
Tgt Ion: 119 Resp: 1335

Ion Ratio Lower Upper

119 100

91 14.1 31.4 94.2#

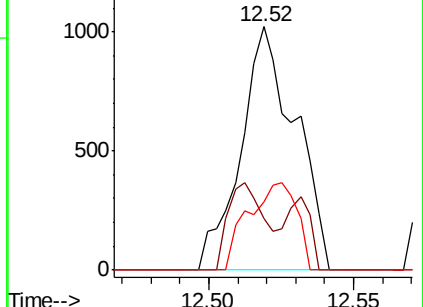
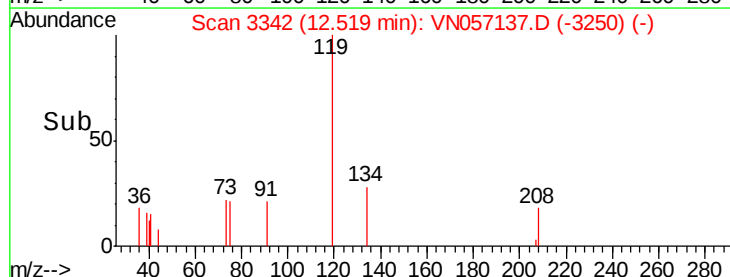
134 31.9 13.2 39.6

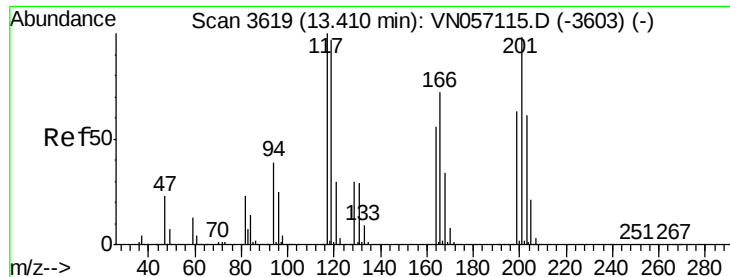


Abundance Ion 119.00 (118.70 to 119.70): VN057137.D (-3250) (-)

Ion 91.00 (90.70 to 91.70): VN057137.D (-3250) (-)

Ion 134.00 (133.70 to 134.70): VN057137.D (-3250) (-)





#90

Hexachloroethane

Concen: Below Cal

RT: 13.42 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VN057137.D

Acq: 9 Aug 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

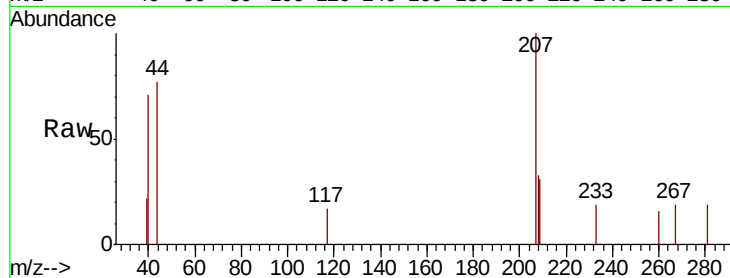
VN0809WBL02

Tgt Ion:117 Resp: 31

Ion Ratio Lower Upper

117 100

201 0.0 49.3 147.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.42

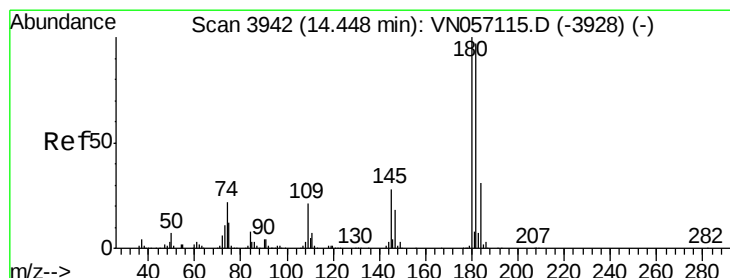
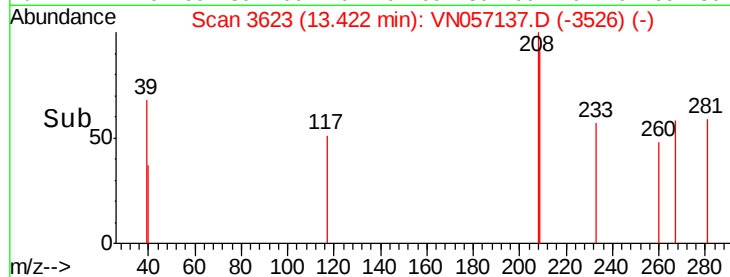
150

100

50

0

Time--> 13.41 13.42 13.43



#93

1,2,4-Trichlorobenzene

Concen: 6.310 ug/l

RT: 14.45 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VN057137.D

Acq: 9 Aug 2019 11:23

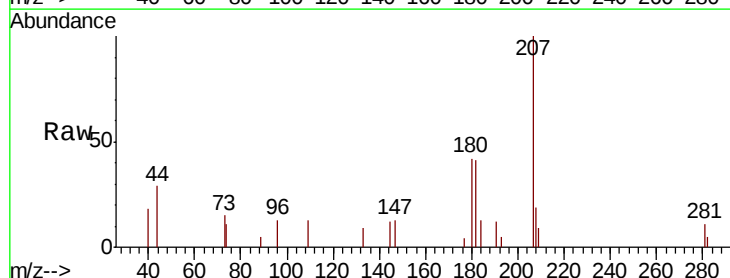
Tgt Ion:180 Resp: 2457

Ion Ratio Lower Upper

180 100

182 83.3 47.5 142.6

145 29.7 14.1 42.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

2000

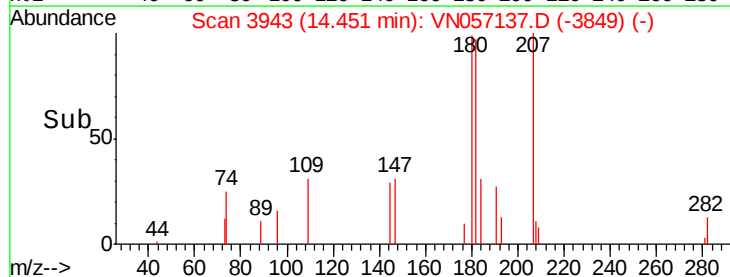
1500

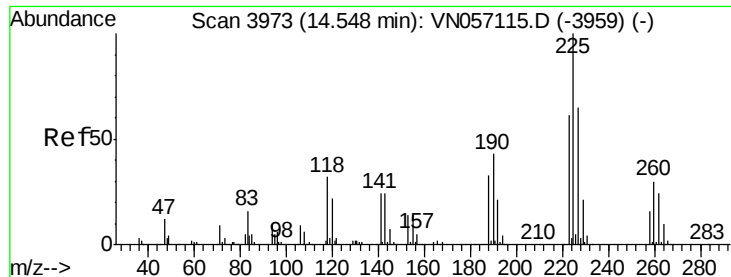
1000

500

0

Time--> 14.40 14.45

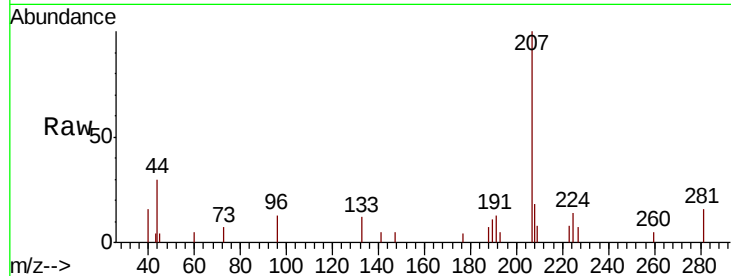




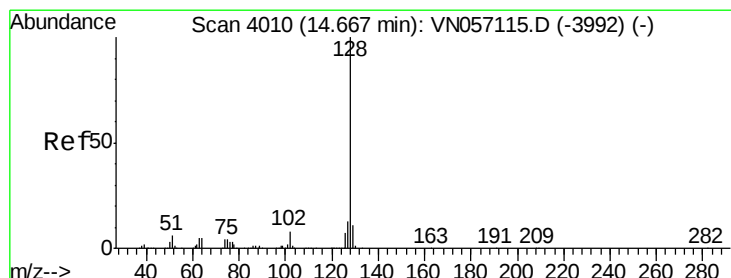
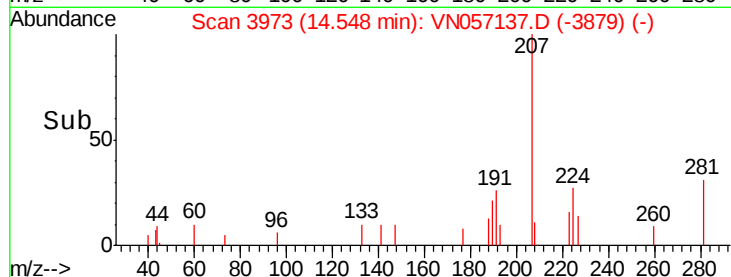
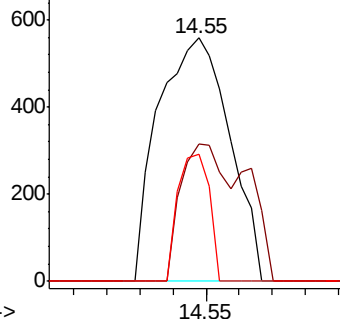
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 14.55 min Scan# 3973
Delta R.T. 0.00 min
Lab File: VN057137.D
Acq: 9 Aug 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
VN0809WBL02

Tgt Ion:225 Resp: 836
Ion Ratio Lower Upper
225 100
223 35.9 30.9 92.8
227 23.1 32.4 97.0#

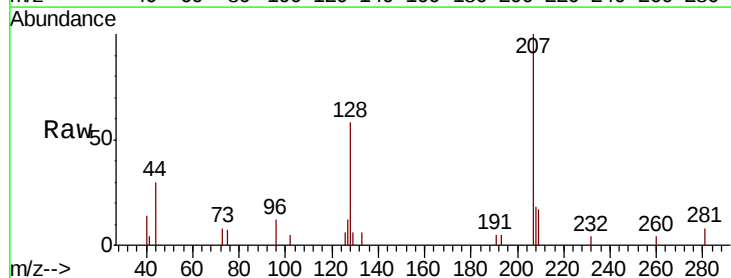


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

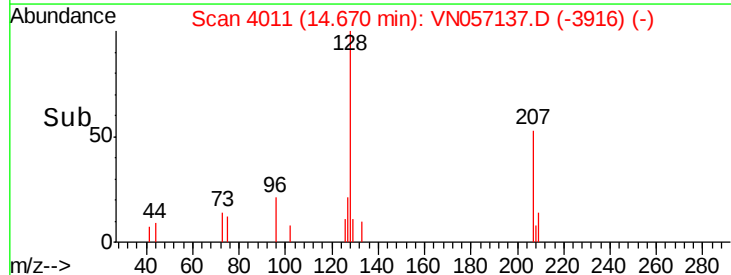
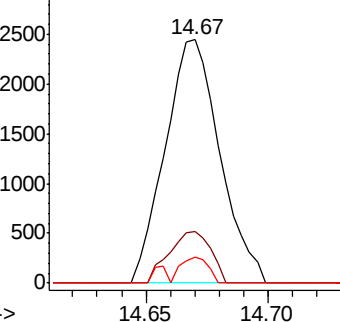


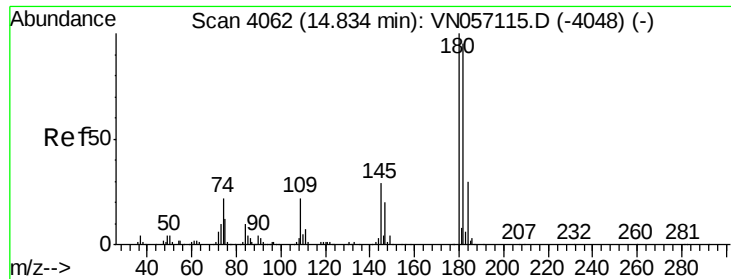
#95
Naphthalene
Concen: 3.178 ug/l
RT: 14.67 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VN057137.D
Acq: 9 Aug 2019 11:23

Tgt Ion:128 Resp: 3799
Ion Ratio Lower Upper
128 100
127 16.2 10.3 15.5#
129 5.3 8.8 13.2#



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: 6.123 ug/l
 RT: 14.84 min Scan# 4064
 Delta R.T. 0.01 min
 Lab File: VN057137.D
 Acq: 9 Aug 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809WBL02

Tgt Ion:	180	Resp:	2671
Ion	Ratio	Lower	Upper
180	100		
182	112.8	48.3	144.8
145	38.9	14.9	44.5

