

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
 Data File : VN057143.D
 Acq On : 9 Aug 2019 13:48
 Operator : JC/SP
 Sample : K4281-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Aug 10 02:11:49 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

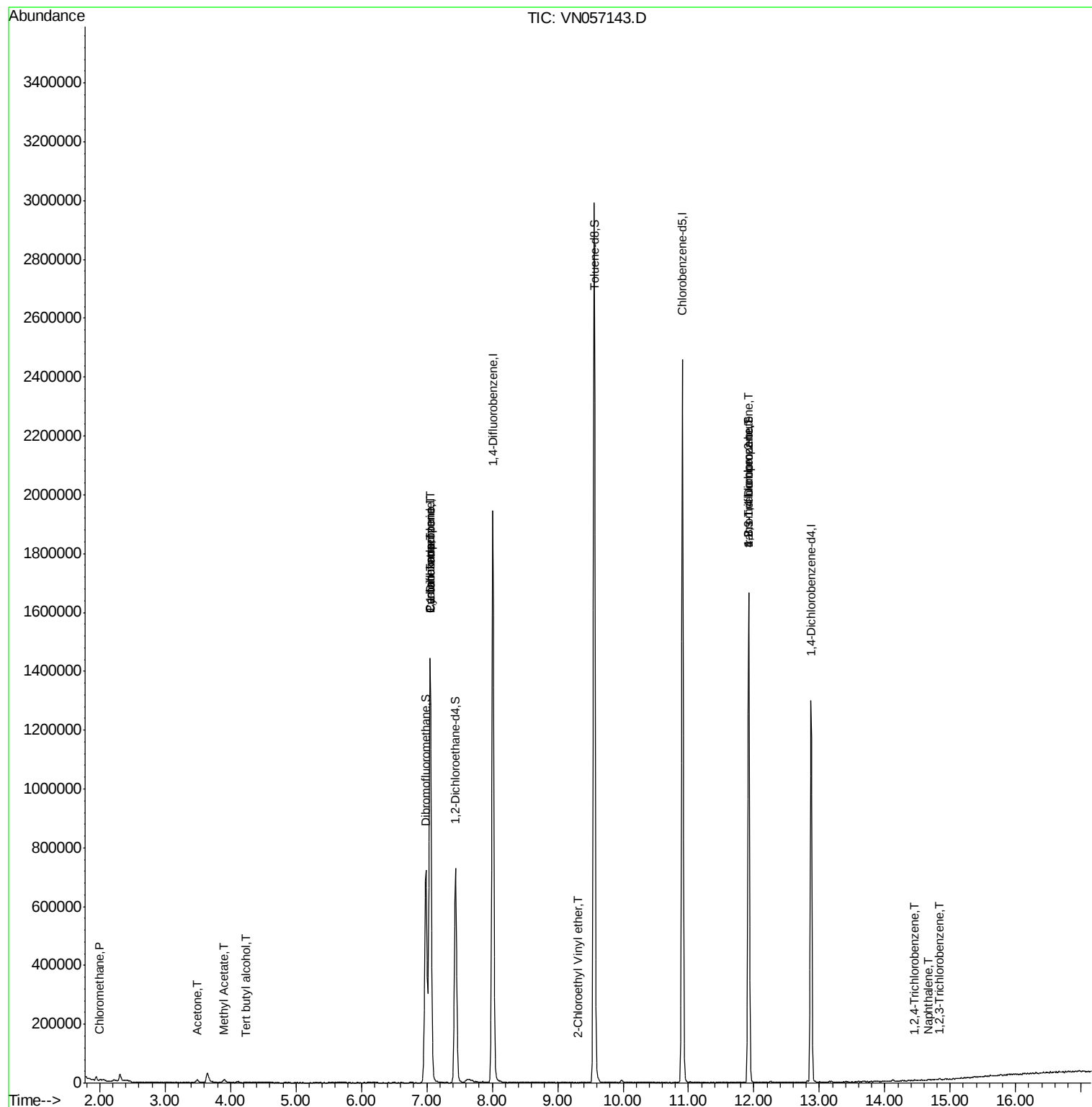
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1383847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1943063	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1577135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	387125	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	649786	45.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.32%	
35) Dibromofluoromethane	6.99	113	588794	48.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.58%	
50) Toluene-d8	9.56	98	2233945	47.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.78%	
62) 4-Bromofluorobenzene	11.92	95	579447	38.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.10%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.00	50	3401	0.230	ug/l	97
11) Tert butyl alcohol	4.25	59	3479	1.718	ug/l #	73
16) Acetone	3.49	43	11068	2.575	ug/l	92
18) Methyl Acetate	3.91	43	18369	0.788	ug/l	99
31) Cyclohexane	7.05	56	20699	1.003	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	82567	5.161	ug/l #	48
38) Carbon Tetrachloride	7.05	117	119292	7.155	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.30	63	30	13.120	ug/l #	47
73) Isopropylbenzene	11.77	105	1518	Below Cal		77
75) 1,1,2,2-Tetrachloroethane	11.92	83	316	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.92	75	270141	34.855	ug/l #	100
79) 2-Chlorotoluene	12.19	91	916	Below Cal		86
81) trans-1,4-Dichloro-2-buten	11.92	75	270141	102.603	ug/l #	14
83) tert-Butylbenzene	12.52	119	1142	Below Cal	#	77
93) 1,2,4-Trichlorobenzene	14.45	180	1126	6.107	ug/l #	63
94) Hexachlorobutadiene	14.55	225	486	Below Cal		62
95) Naphthalene	14.67	128	2252	3.028	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.84	180	1481	5.947	ug/l #	87

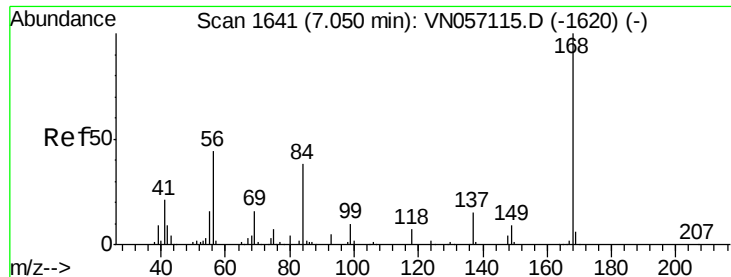
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
Data File : VN057143.D
Acq On : 9 Aug 2019 13:48
Operator : JC/SP
Sample : K4281-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Quant Time: Aug 10 02:11:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:49:25 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057143.D

Acq: 9 Aug 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

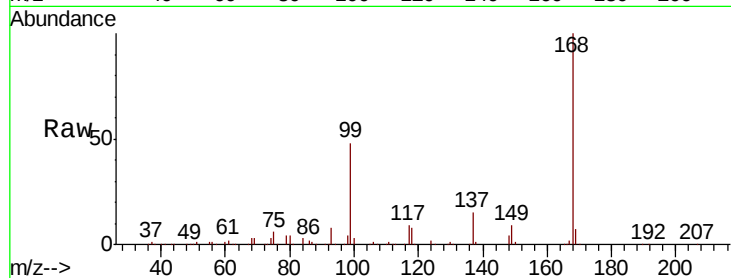
STORAGE-BLANK-WATER-REF-5

Tgt Ion:168 Resp: 1383847

Ion Ratio Lower Upper

168 100

99 48.1 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): VN057115.D (-1620) (-)

Ion 98.90 (98.60 to 99.60): VN057115.D (-1620) (-)

7.05

600000

500000

400000

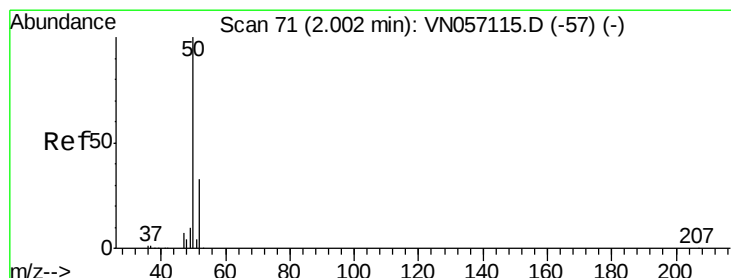
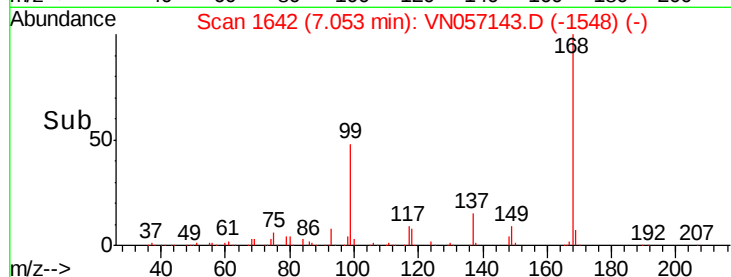
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.230 ug/l

RT: 2.00 min Scan# 71

Delta R.T. -0.00 min

Lab File: VN057143.D

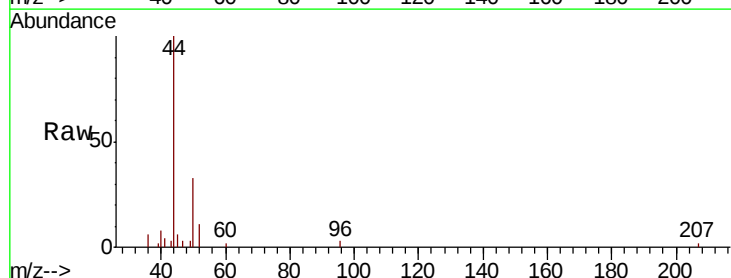
Acq: 9 Aug 2019 13:48

Tgt Ion: 50 Resp: 3401

Ion Ratio Lower Upper

50 100

52 34.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN057115.D (-57) (-)

Ion 51.90 (51.60 to 52.60): VN057115.D (-57) (-)

2.00

2500

2000

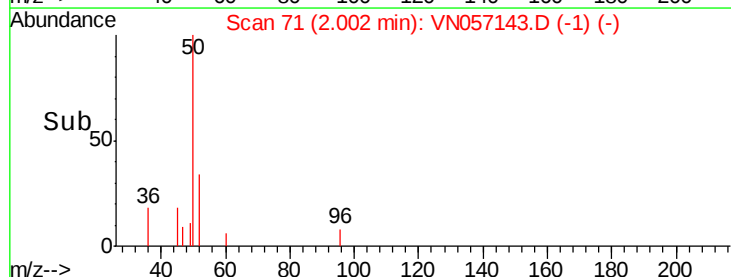
1500

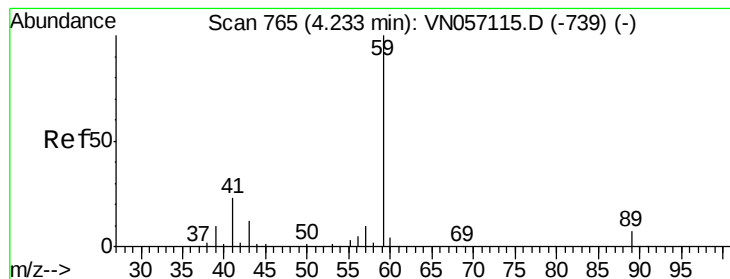
1000

500

0

Time-->



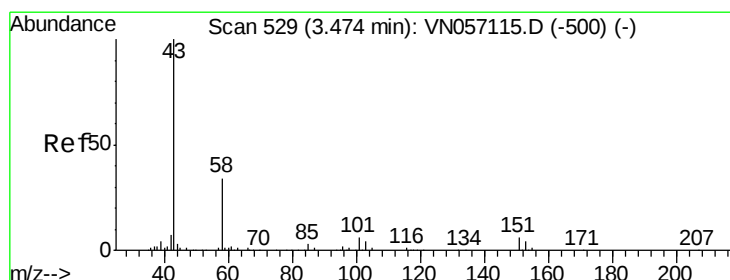
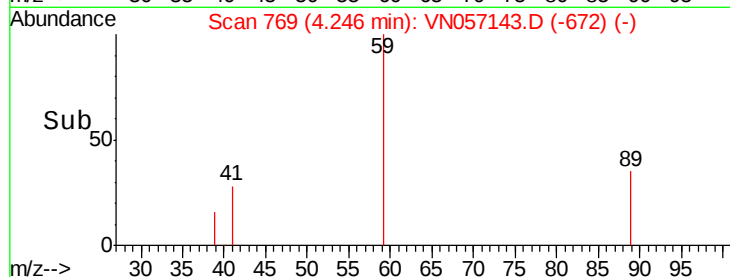
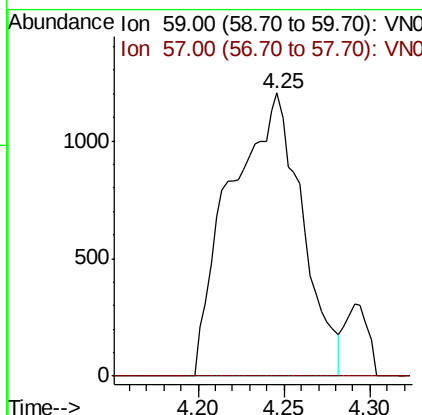
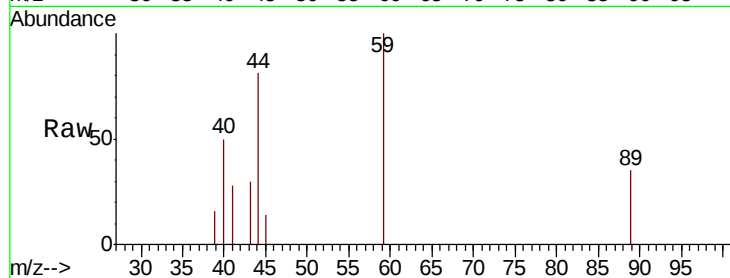


#11

Tert butyl alcohol
 Concen: 1.718 ug/l
 RT: 4.25 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VN057143.D
 Acq: 9 Aug 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

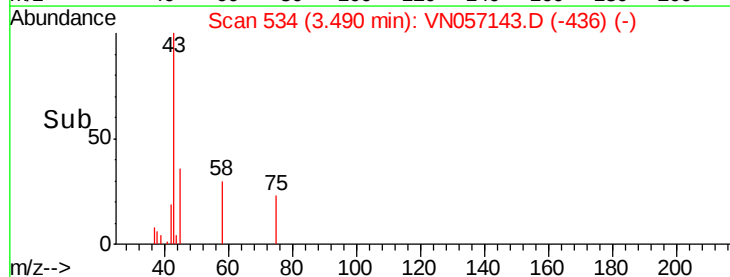
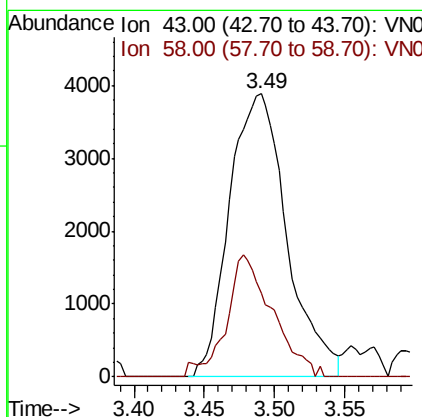
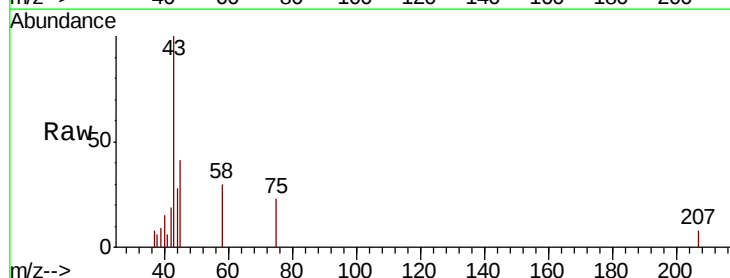
Tgt Ion: 59 Resp: 3479
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

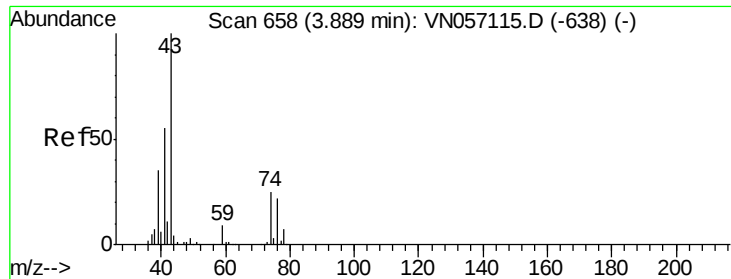


#16

Acetone
 Concen: 2.575 ug/l
 RT: 3.49 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VN057143.D
 Acq: 9 Aug 2019 13:48

Tgt Ion: 43 Resp: 11068
 Ion Ratio Lower Upper
 43 100
 58 29.6 27.4 41.2

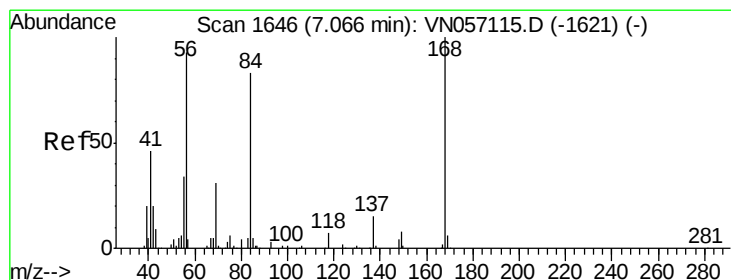
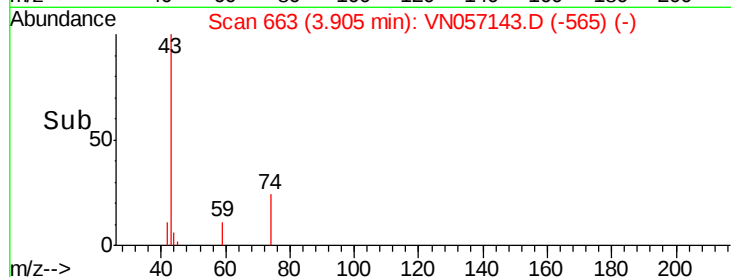
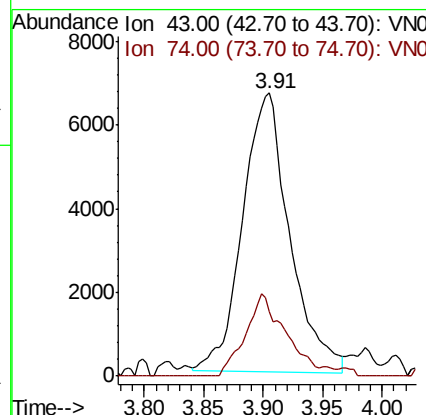
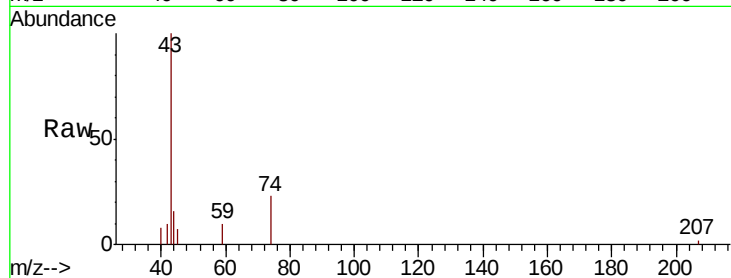




#18
Methyl Acetate
Concen: 0.788 ug/l
RT: 3.91 min Scan# 663
Delta R.T. 0.02 min
Lab File: VN057143.D
Acq: 9 Aug 2019 13:48

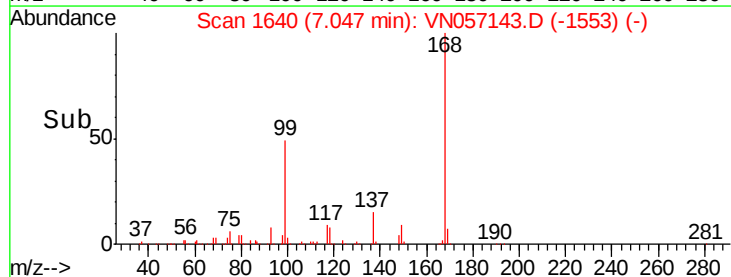
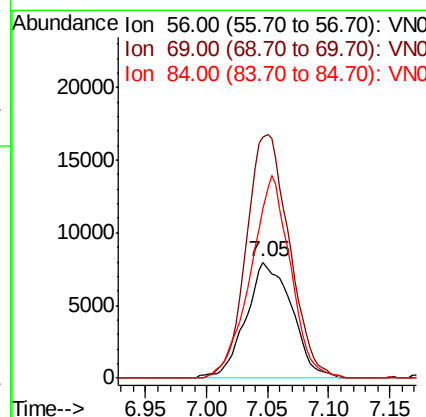
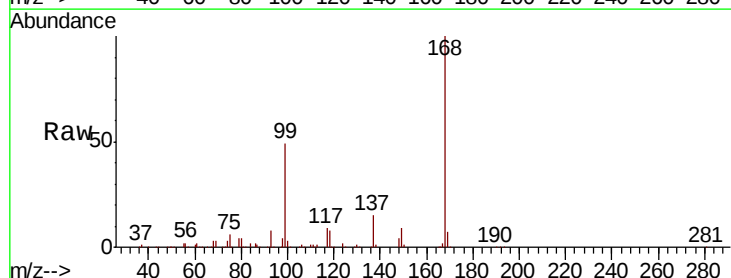
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

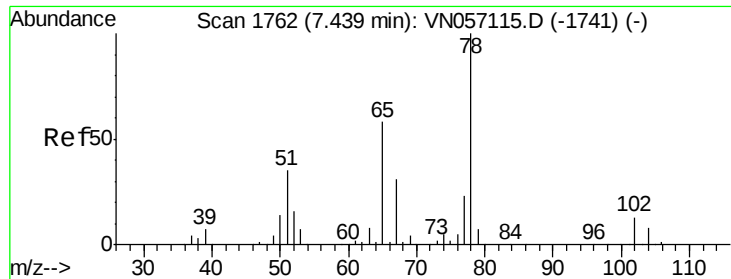
Tgt Ion: 43 Resp: 18369
Ion Ratio Lower Upper
43 100
74 25.9 20.2 30.4



#31
Cyclohexane
Concen: 1.003 ug/l
RT: 7.05 min Scan# 1640
Delta R.T. -0.02 min
Lab File: VN057143.D
Acq: 9 Aug 2019 13:48

Tgt Ion: 56 Resp: 20699
Ion Ratio Lower Upper
56 100
69 209.0 26.9 40.3#
84 146.4 71.9 107.9#

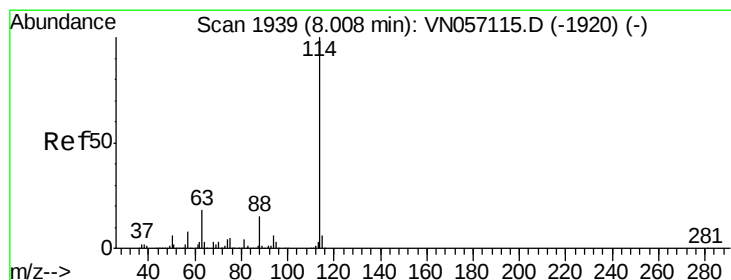
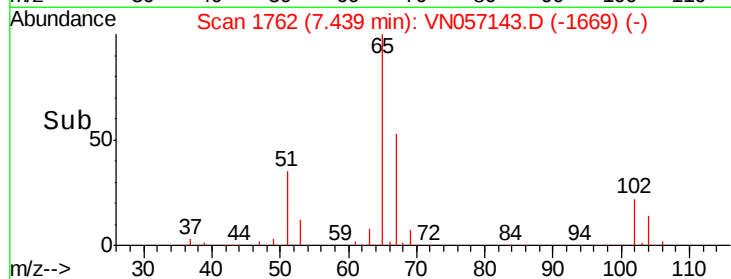
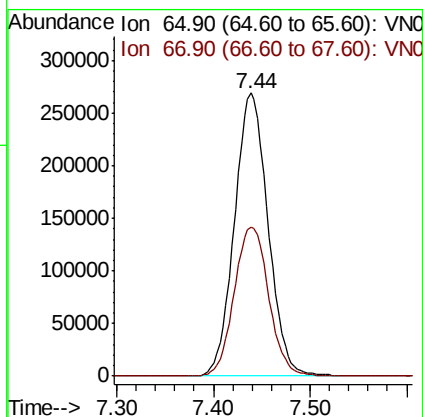
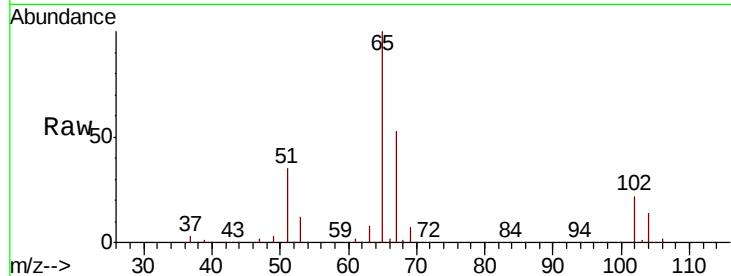




#33
 1,2-Dichloroethane-d4
 Concen: 45.657 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057143.D
 Acq: 9 Aug 2019 13:48

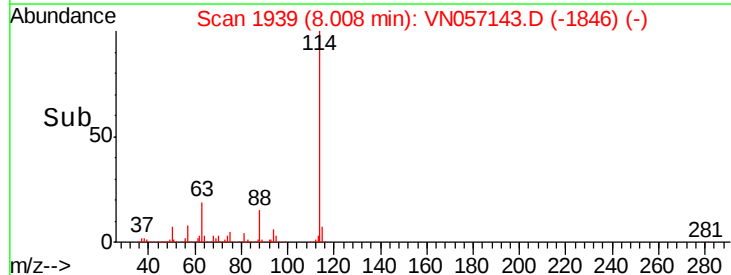
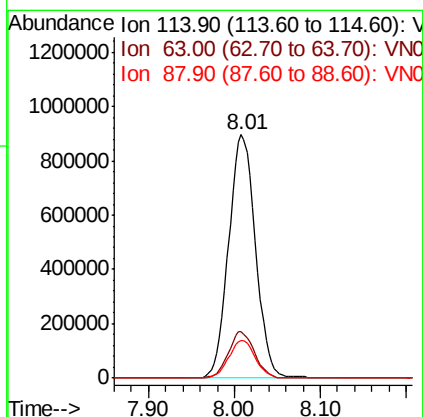
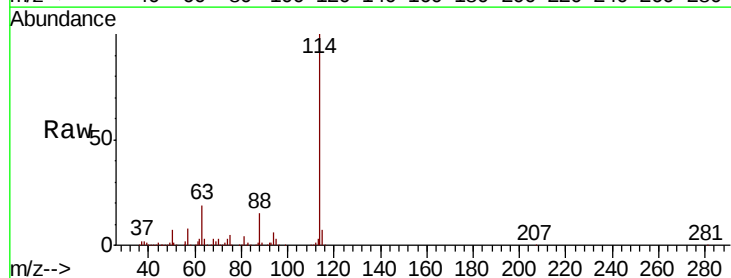
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

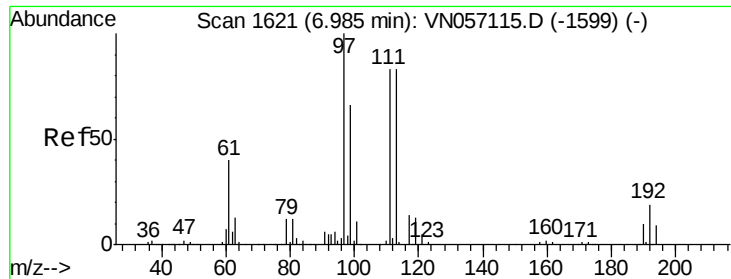
Tgt Ion: 65 Resp: 649786
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057143.D
 Acq: 9 Aug 2019 13:48

Tgt Ion: 114 Resp: 1943063
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 36.2
 88 15.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.290 ug/l

RT: 6.99 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VN057143.D

Acq: 9 Aug 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

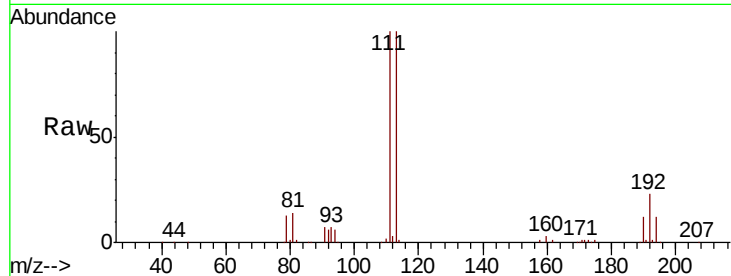
Tgt Ion:113 Resp: 588794

Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

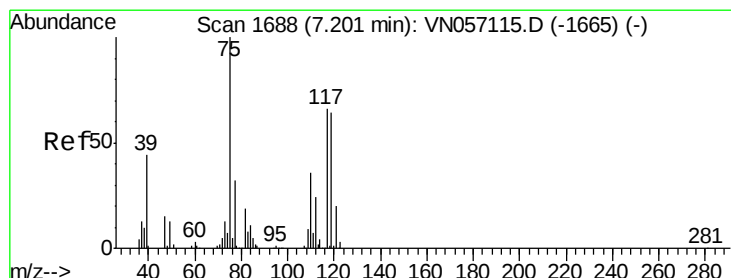
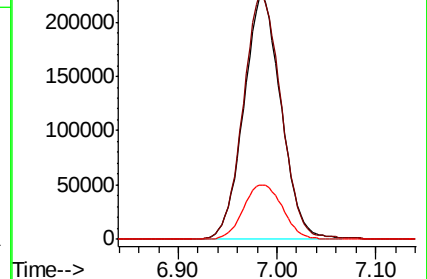
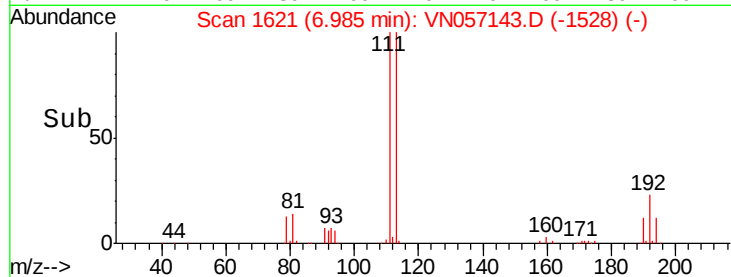
192 23.5 19.0 28.4



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: 5.161 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. -0.15 min

Lab File: VN057143.D

Acq: 9 Aug 2019 13:48

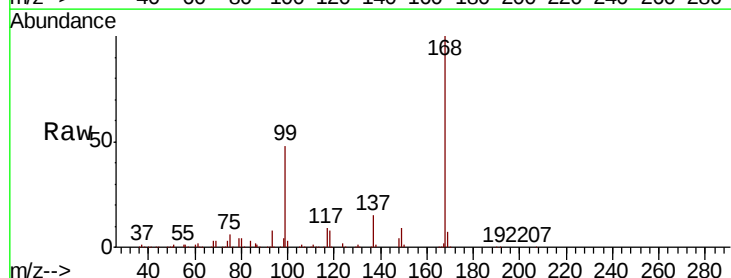
Tgt Ion: 75 Resp: 82567

Ion Ratio Lower Upper

75 100

110 8.9 18.7 56.1#

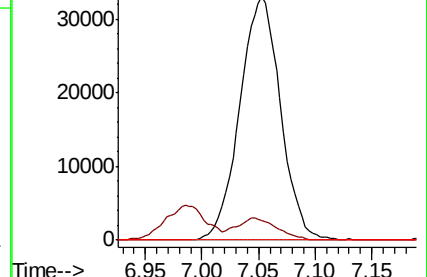
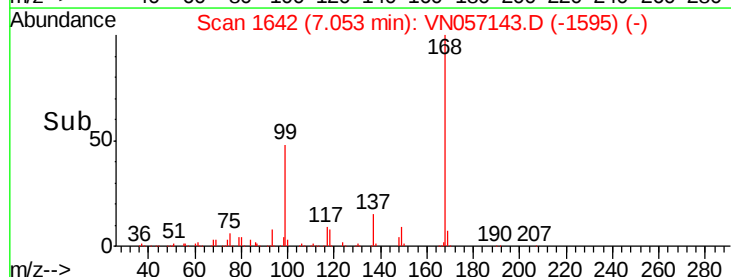
77 0.0 25.0 37.4#

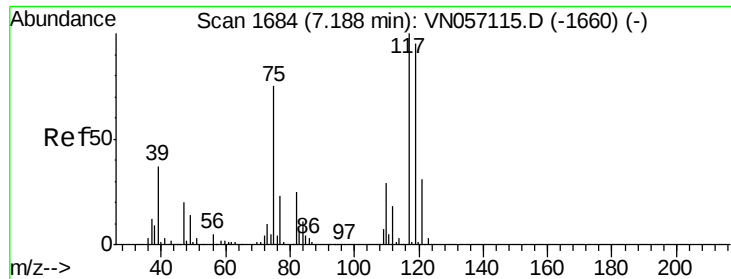


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

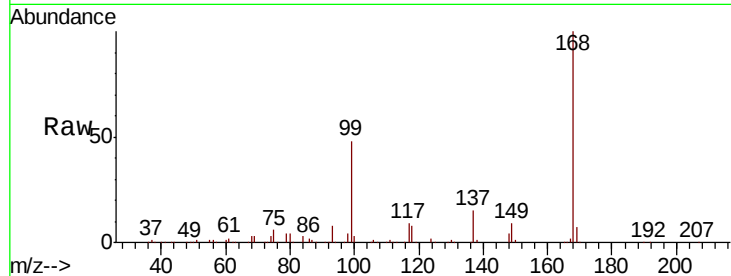




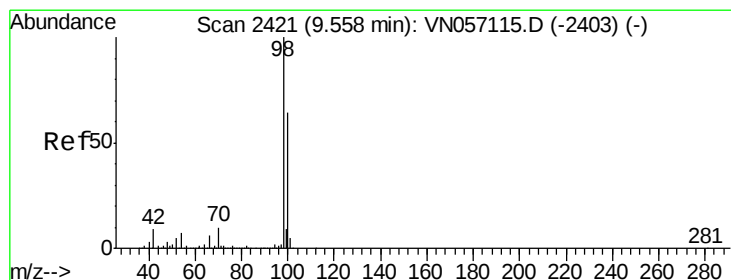
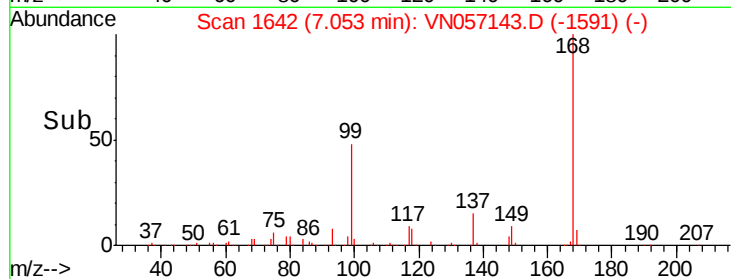
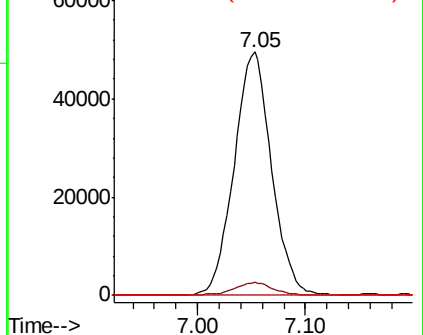
#38
Carbon Tetrachloride
Concen: 7.155 ug/l
RT: 7.05 min Scan# 1642
Delta R.T. -0.14 min
Lab File: VN057143.D
Acq: 9 Aug 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 117 Resp: 119292
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.4 36.6#

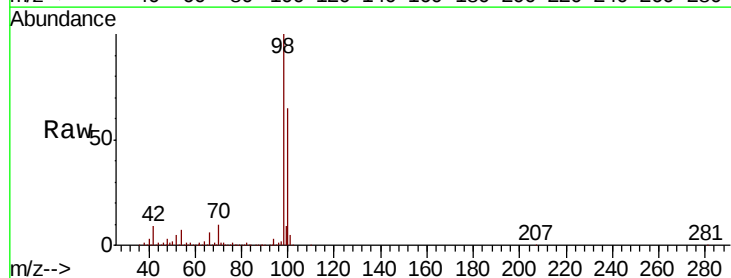


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

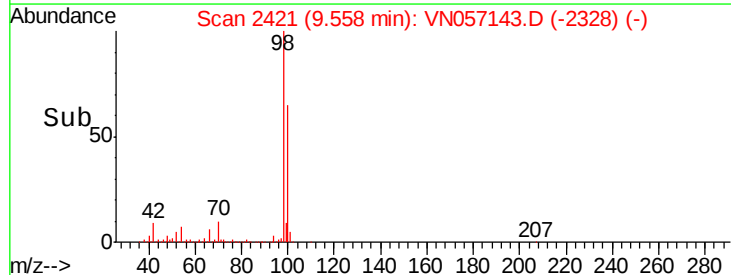
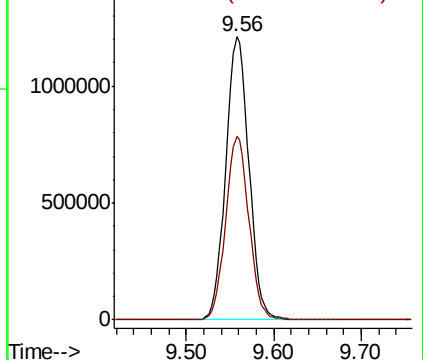


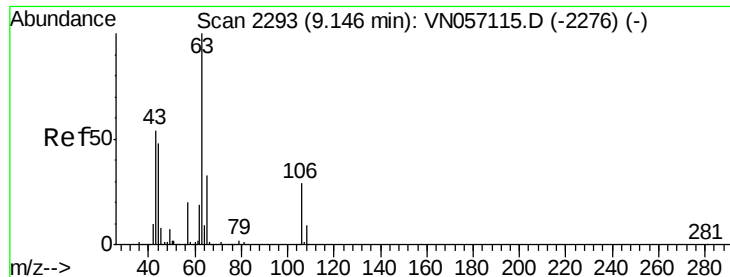
#50
Toluene-d8
Concen: 47.889 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057143.D
Acq: 9 Aug 2019 13:48

Tgt Ion: 98 Resp: 2233945
Ion Ratio Lower Upper
98 100
100 64.9 51.2 76.8



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

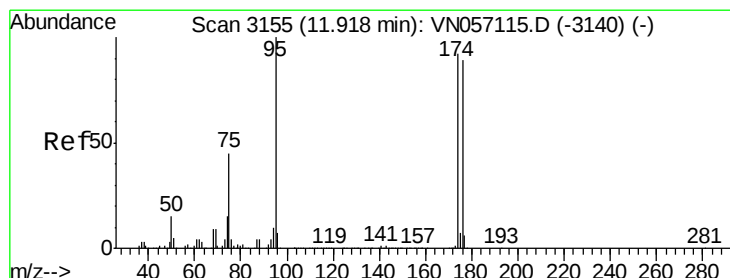
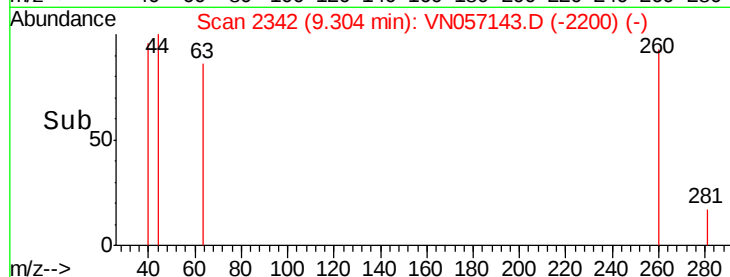
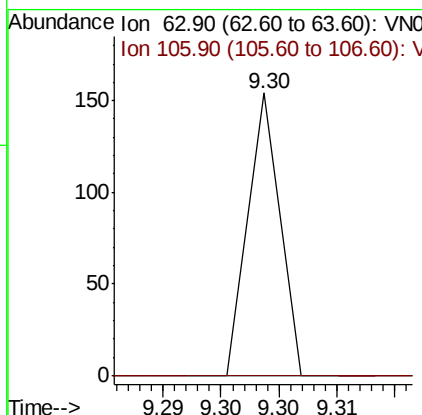
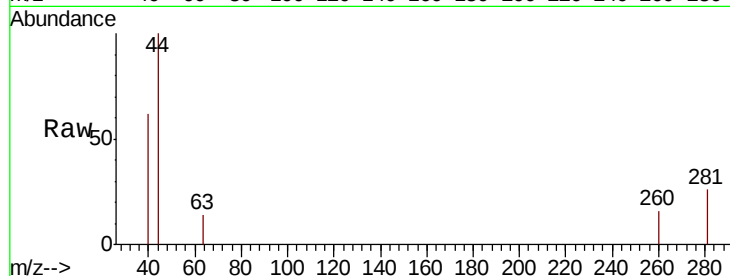




#58
 2-Chloroethyl Vinyl ether
 Concen: 13.120 ug/l
 RT: 9.30 min Scan# 2342
 Delta R.T. 0.16 min
 Lab File: VN057143.D
 Acq: 9 Aug 2019 13:48

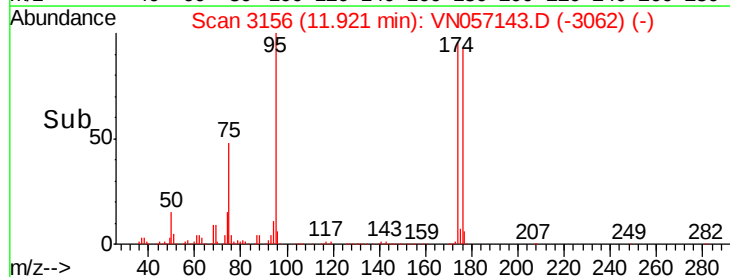
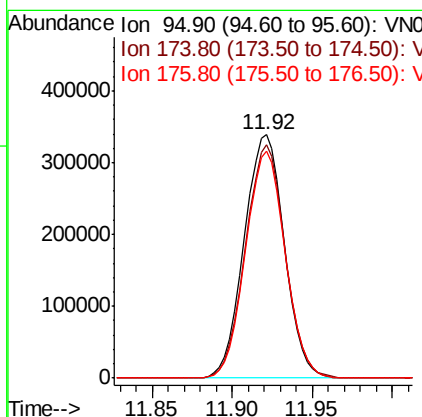
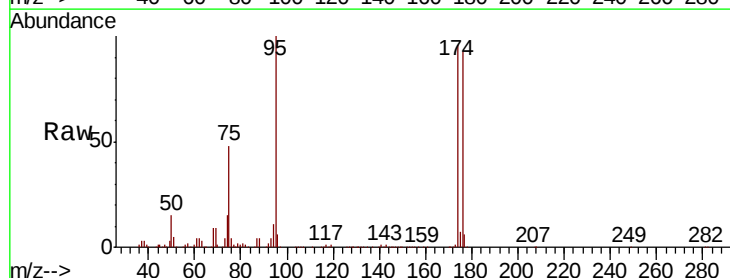
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

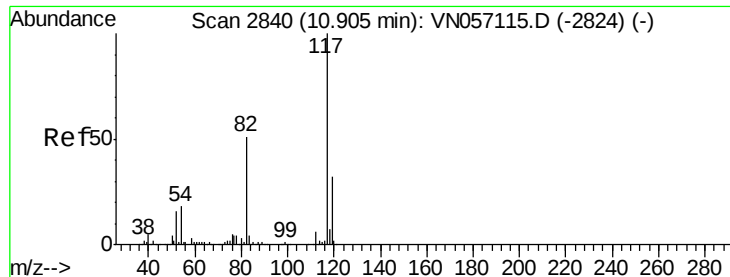
Tgt Ion: 63 Resp: 30
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.6 33.8#



#62
 4-Bromofluorobenzene
 Concen: 38.551 ug/l
 RT: 11.92 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VN057143.D
 Acq: 9 Aug 2019 13:48

Tgt Ion: 95 Resp: 579447
 Ion Ratio Lower Upper
 95 100
 174 95.1 0.0 185.0
 176 92.4 0.0 181.2

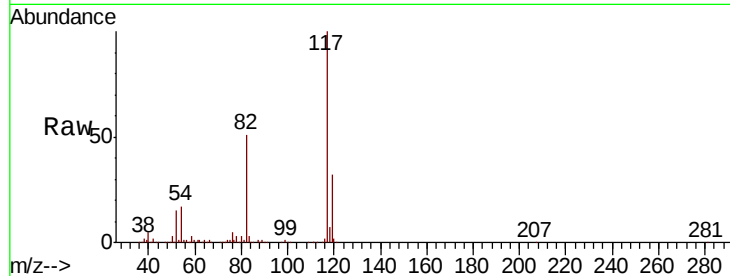




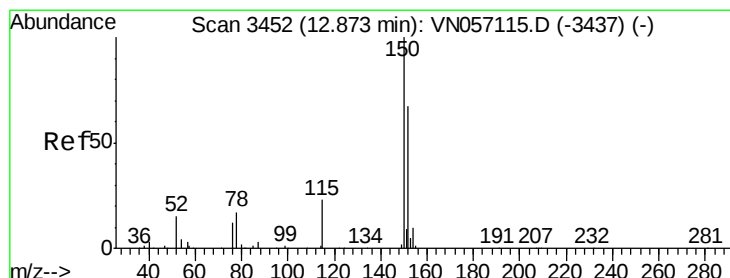
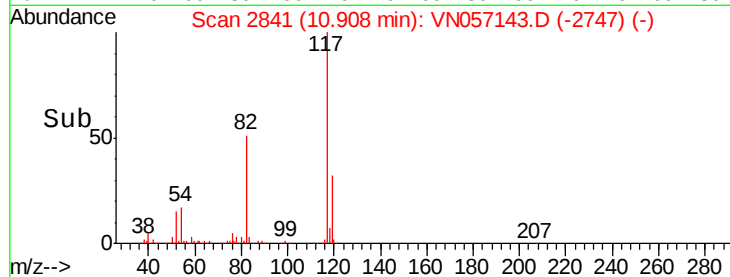
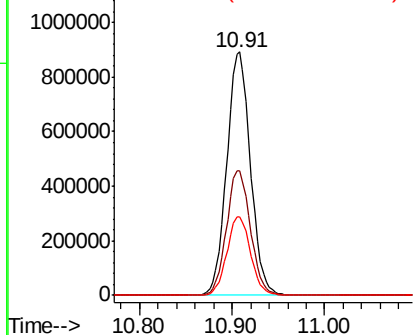
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057143.D
Acq: 9 Aug 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tgt Ion:117 Resp: 1577135
Ion Ratio Lower Upper
117 100
82 50.9 40.8 61.2
119 32.5 25.7 38.5

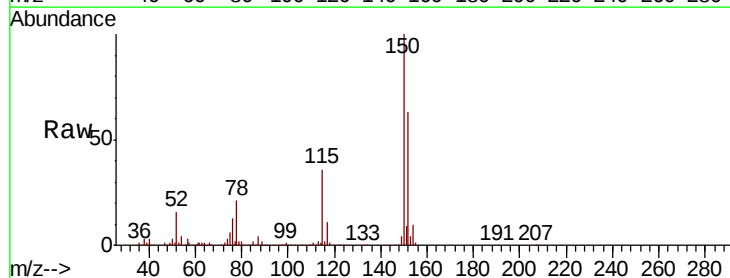


Abundance Ion 116.90 (116.60 to 117.60): V
1200000 Ion 82.00 (81.70 to 82.70): V
1000000 Ion 118.90 (118.60 to 119.60): V

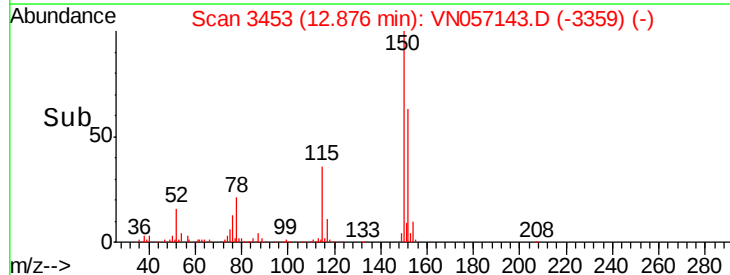
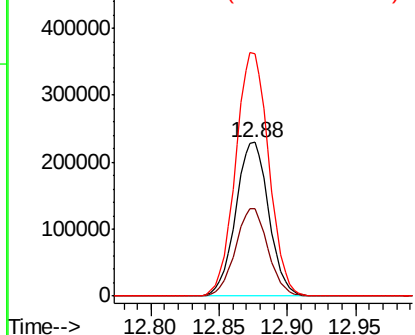


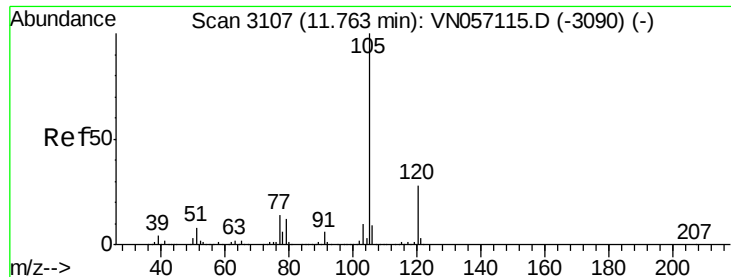
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.88 min Scan# 3453
Delta R.T. 0.00 min
Lab File: VN057143.D
Acq: 9 Aug 2019 13:48

Tgt Ion:152 Resp: 387125
Ion Ratio Lower Upper
152 100
115 56.0 27.5 82.5
150 158.8 0.0 341.6



Abundance Ion 151.90 (151.60 to 152.60): V
500000 Ion 114.90 (114.60 to 115.60): V
400000 Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057143.D

Acq: 9 Aug 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

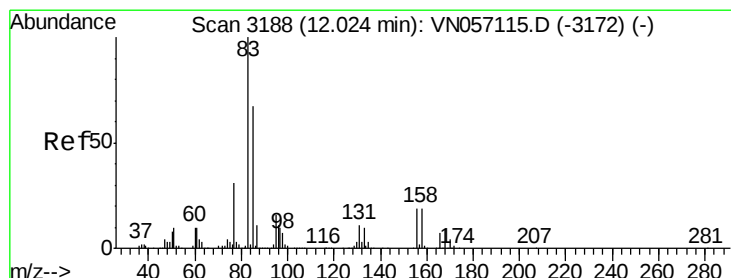
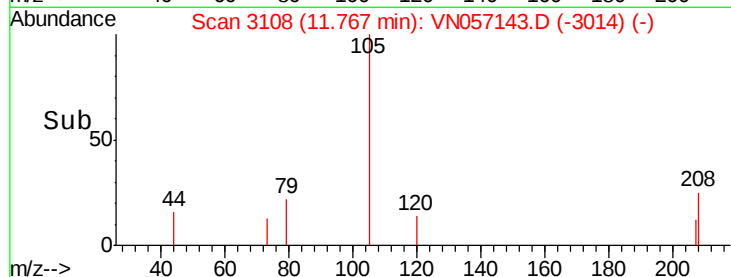
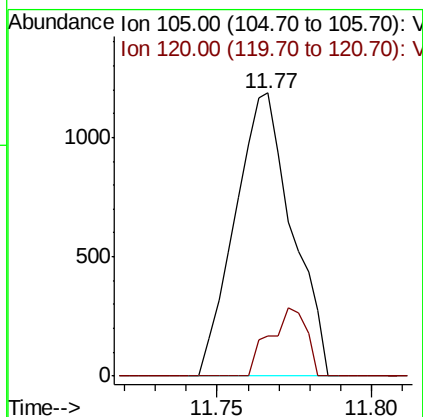
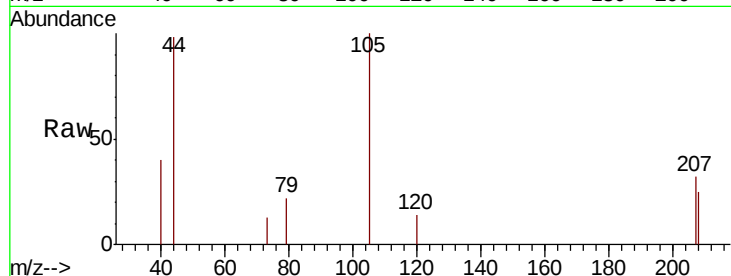
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 105 Resp: 1518

Ion Ratio Lower Upper

105 100

120 15.5 13.7 41.0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.92 min Scan# 3155

Delta R.T. -0.11 min

Lab File: VN057143.D

Acq: 9 Aug 2019 13:48

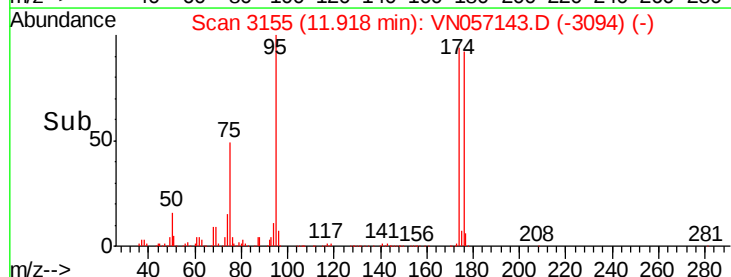
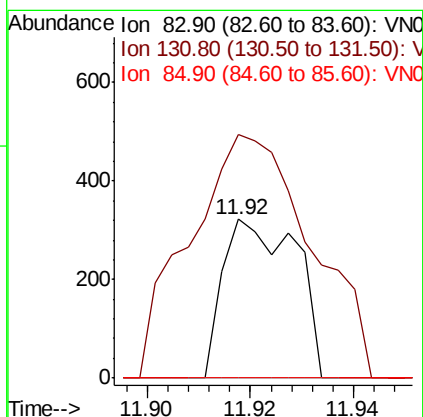
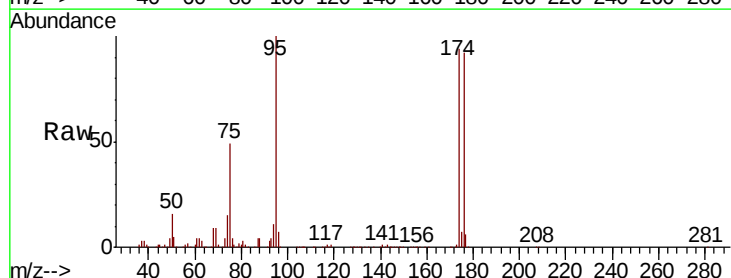
Tgt Ion: 83 Resp: 316

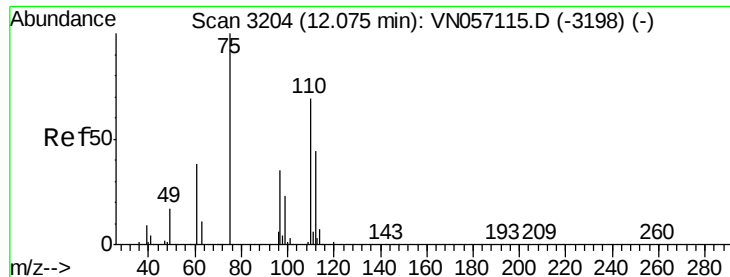
Ion Ratio Lower Upper

83 100

131 254.7 5.5 16.4#

85 0.0 32.4 97.0#





#76

1,2,3-Trichloropropane

Concen: 34.855 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.16 min

Lab File: VN057143.D

Acq: 9 Aug 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

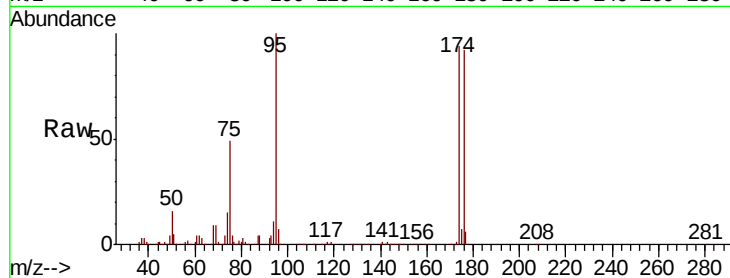
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 75 Resp: 270141

Ion Ratio Lower Upper

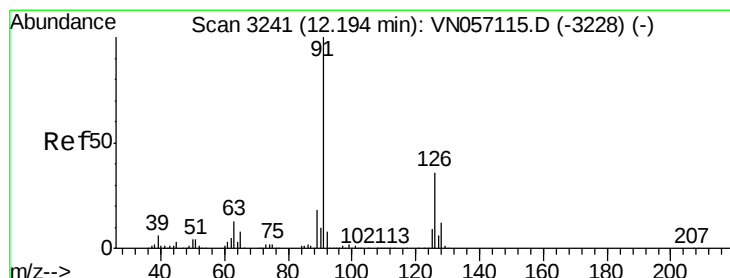
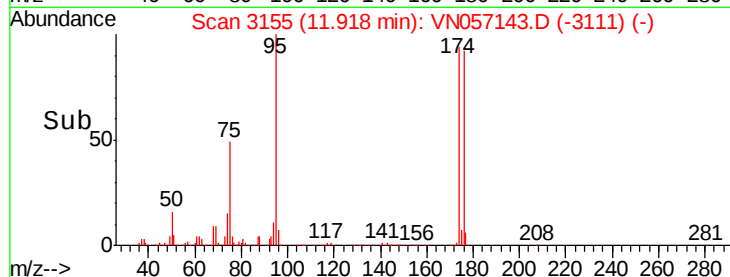
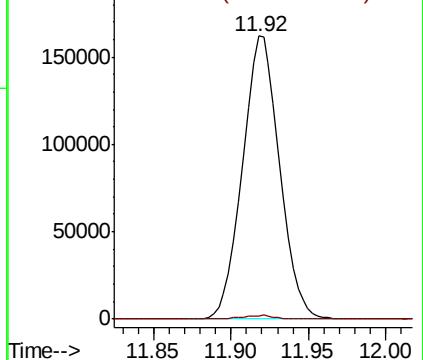
75 100

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



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.19 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VN057143.D

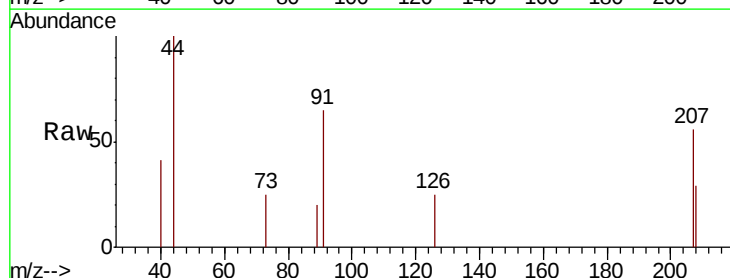
Acq: 9 Aug 2019 13:48

Tgt Ion: 91 Resp: 916

Ion Ratio Lower Upper

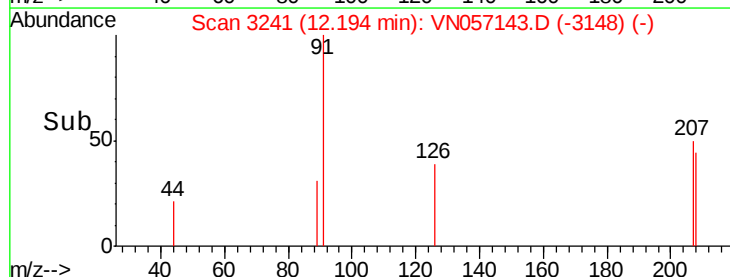
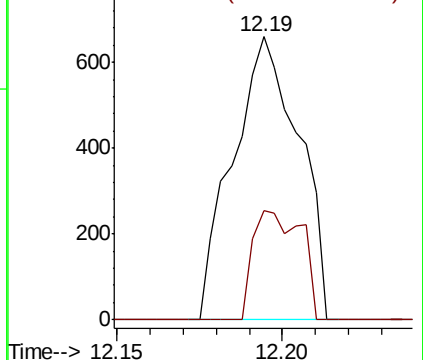
91 100

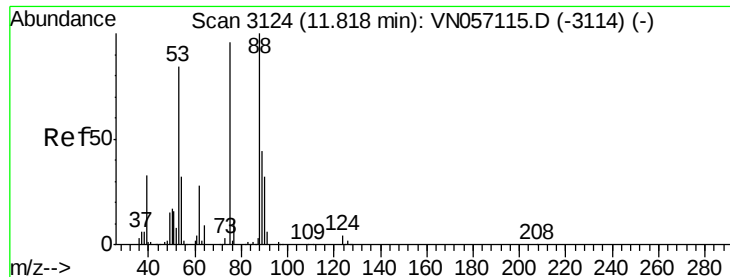
126 28.1 18.1 54.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

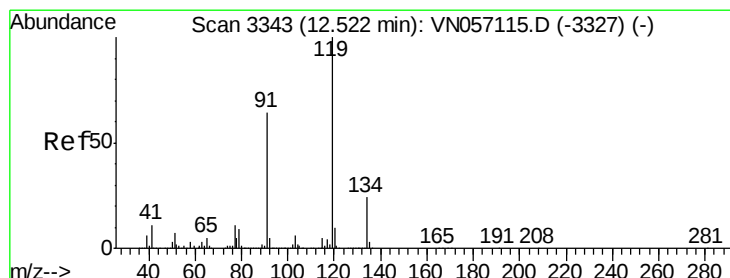
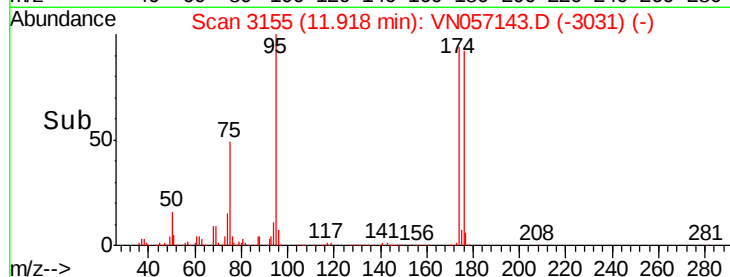
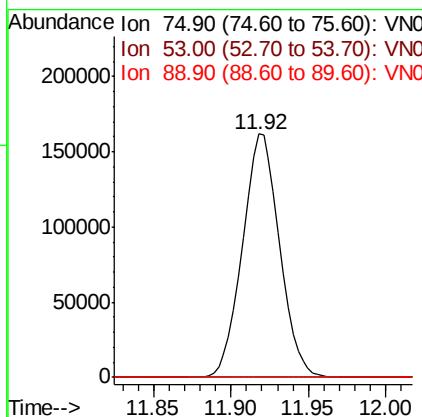
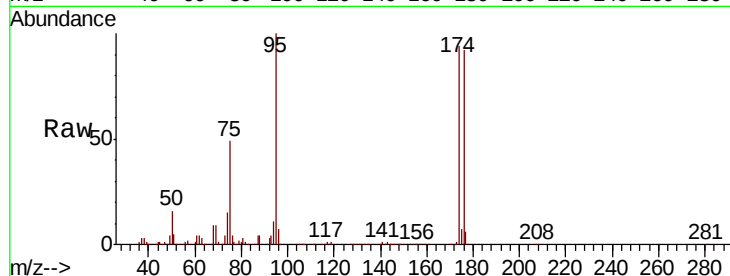




#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.603 ug/l
 RT: 11.92 min Scan# 3155
 Delta R.T. 0.10 min
 Lab File: VN057143.D
 Acq: 9 Aug 2019 13:48

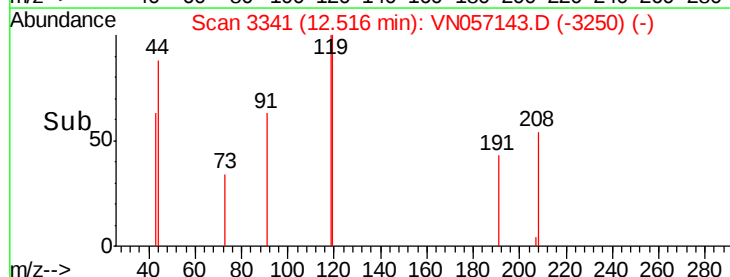
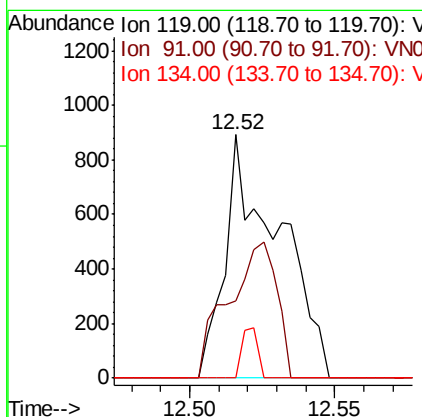
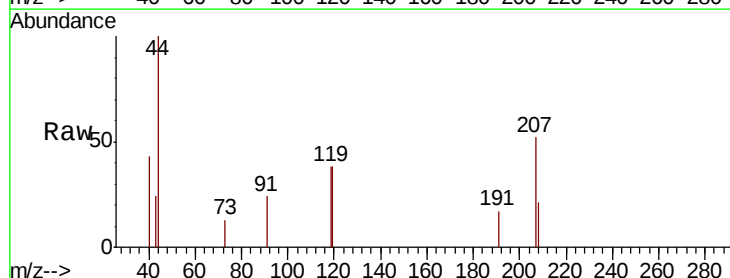
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

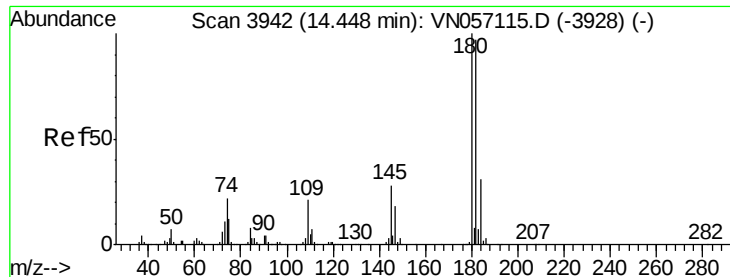
Tgt Ion: 75 Resp: 270141
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.6 106.0#
 89 0.0 36.4 54.6#



#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.52 min Scan# 3341
 Delta R.T. -0.01 min
 Lab File: VN057143.D
 Acq: 9 Aug 2019 13:48

Tgt Ion: 119 Resp: 1142
 Ion Ratio Lower Upper
 119 100
 91 50.9 31.4 94.2
 134 6.0 13.2 39.6#

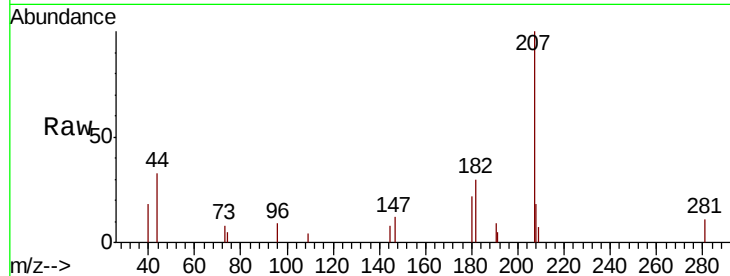




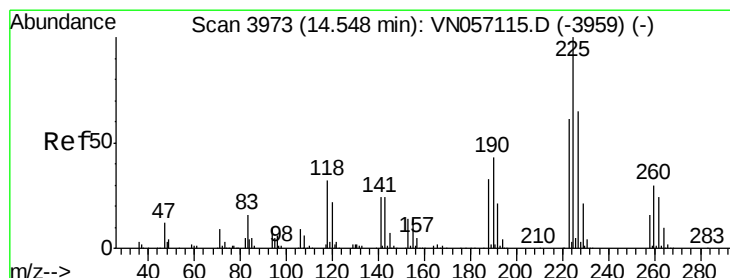
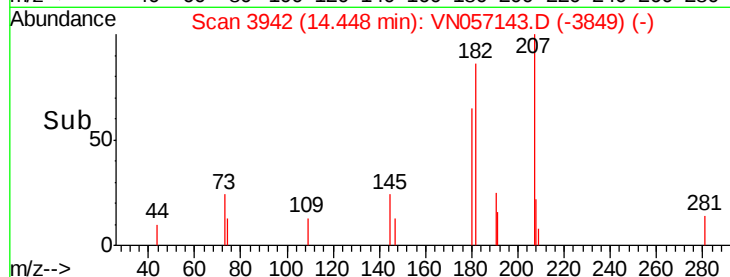
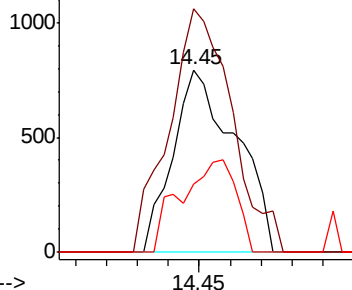
#93
 1,2,4-Trichlorobenzene
 Concen: 6.107 ug/l
 RT: 14.45 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VN057143.D
 Acq: 9 Aug 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Tgt Ion:180 Resp: 1126
 Ion Ratio Lower Upper
 180 100
 182 132.8 47.5 142.6
 145 44.7 14.1 42.2#

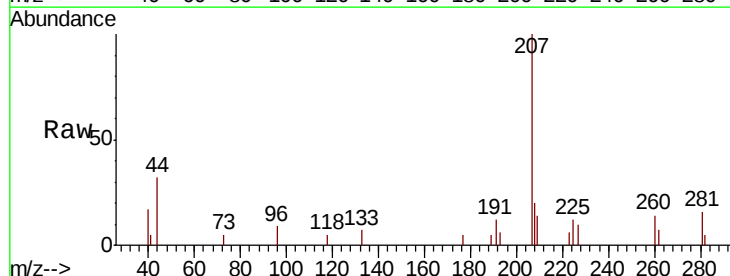


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

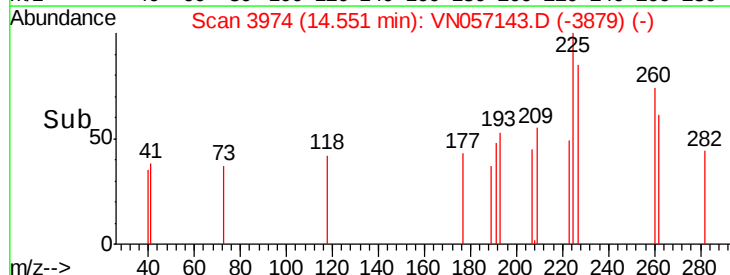
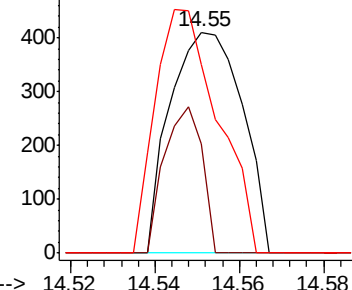


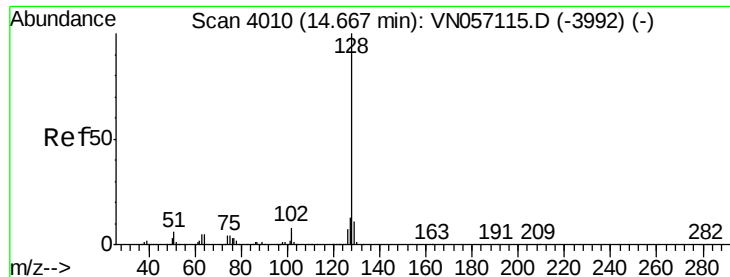
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057143.D
 Acq: 9 Aug 2019 13:48

Tgt Ion:225 Resp: 486
 Ion Ratio Lower Upper
 225 100
 223 34.6 30.9 92.8
 227 95.7 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: 3.028 ug/l

RT: 14.67 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VN057143.D

Acq: 9 Aug 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

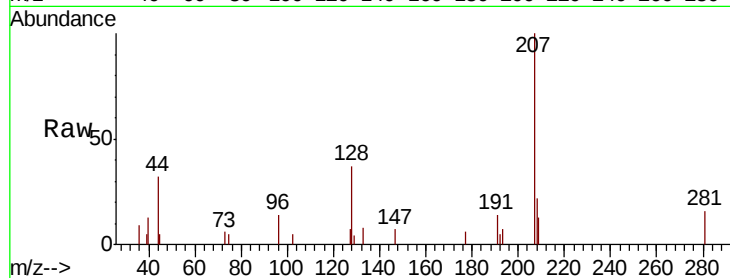
Tgt Ion:128 Resp: 2252

Ion Ratio Lower Upper

128 100

127 13.9 10.3 15.5

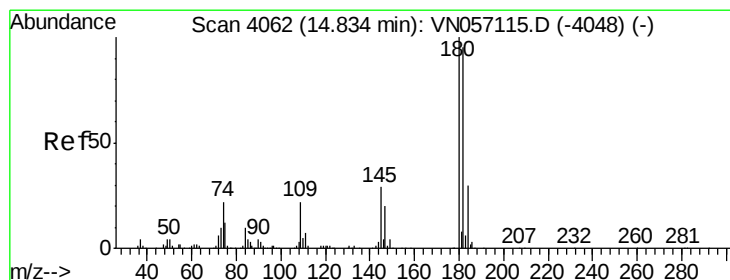
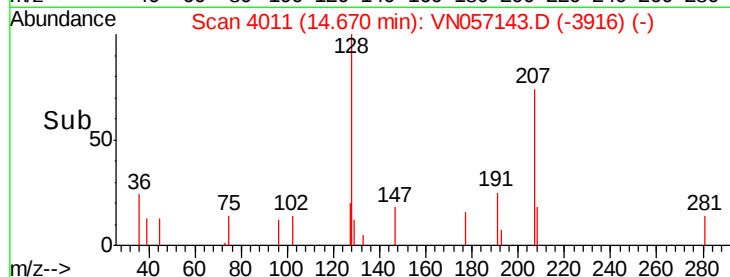
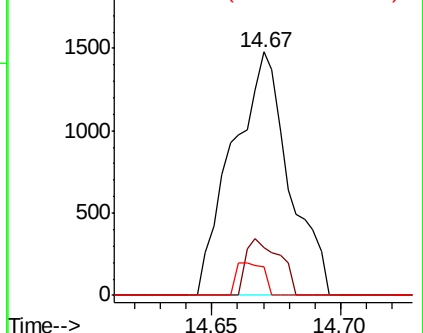
129 6.5 8.8 13.2#



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: 5.947 ug/l

RT: 14.84 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VN057143.D

Acq: 9 Aug 2019 13:48

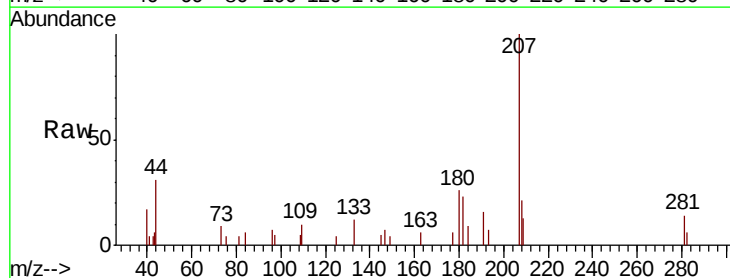
Tgt Ion:180 Resp: 1481

Ion Ratio Lower Upper

180 100

182 102.5 48.3 144.8

145 10.1 14.9 44.5#



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

