

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
 Data File : VN057155.D
 Acq On : 9 Aug 2019 18:46
 Operator : JC/SP
 Sample : K4262-09DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22D_080819DL

Quant Time: Aug 10 02:14:44 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

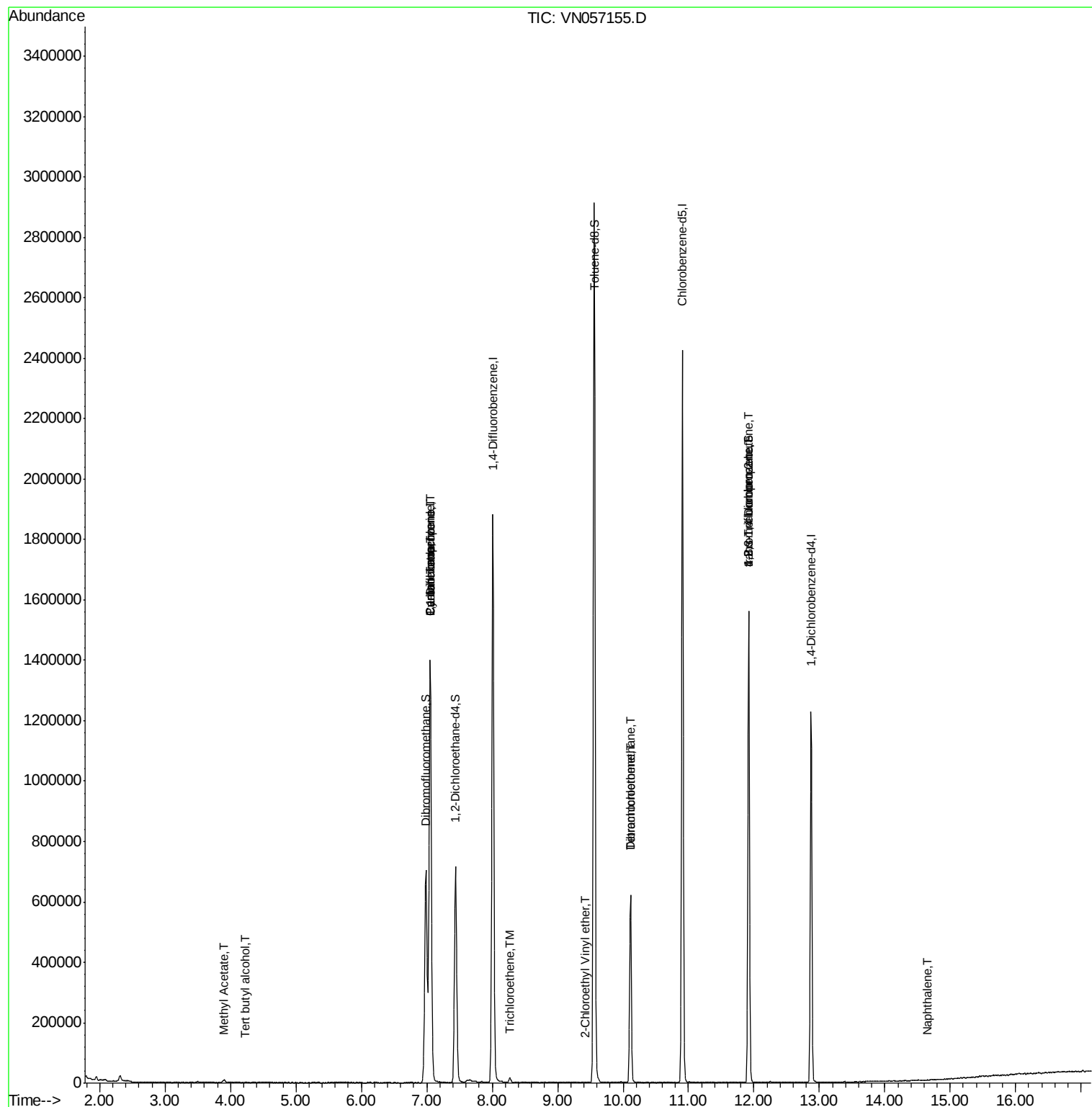
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1351476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1893597	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1548283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	365049	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	631658	45.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.90%	
35) Dibromofluoromethane	6.99	113	574652	48.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.72%	
50) Toluene-d8	9.56	98	2186035	48.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	11.92	95	554396	37.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.70%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.23	59	589	0.298	ug/l #	73
18) Methyl Acetate	3.90	43	17555	0.757	ug/l	95
31) Cyclohexane	7.05	56	19165	0.951	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	81478	5.226	ug/l #	49
37) Ethyl Acetate	6.26	43	72	Below Cal	#	70
38) Carbon Tetrachloride	7.05	117	114939	7.074	ug/l #	16
44) Trichloroethene	8.27	130	6112	0.442	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.42	63	62	13.124	ug/l #	47
60) Dibromochloromethane	10.11	129	126756	10.018	ug/l #	11
64) Tetrachloroethene	10.11	164	163880	12.727	ug/l	96
73) Isopropylbenzene	11.76	105	111	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	11.92	83	260	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.92	75	252091	34.460	ug/l #	100
79) 2-Chlorotoluene	12.12	91	66	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	11.92	75	252091	101.537	ug/l #	14
95) Naphthalene	14.66	128	62	2.808	ug/l #	69

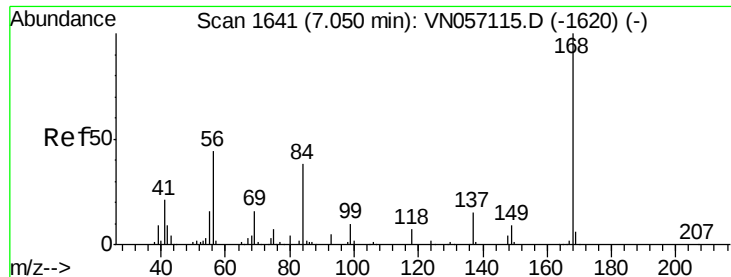
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057155.D

Acq: 9 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

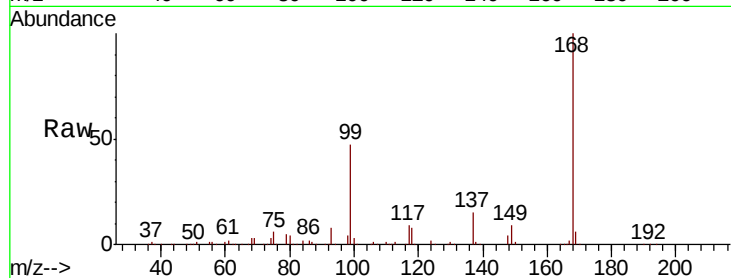
MW-22D_080819DL

Tgt Ion:168 Resp: 1351476

Ion Ratio Lower Upper

168 100

99 47.0 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

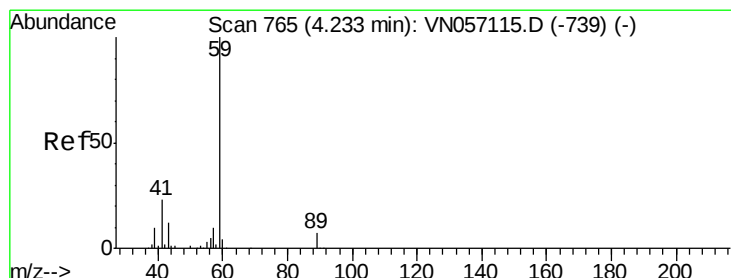
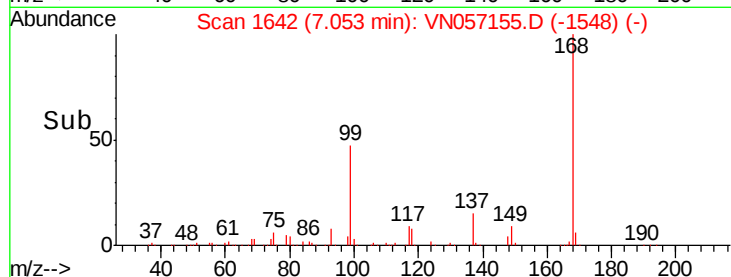
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.298 ug/l

RT: 4.23 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN057155.D

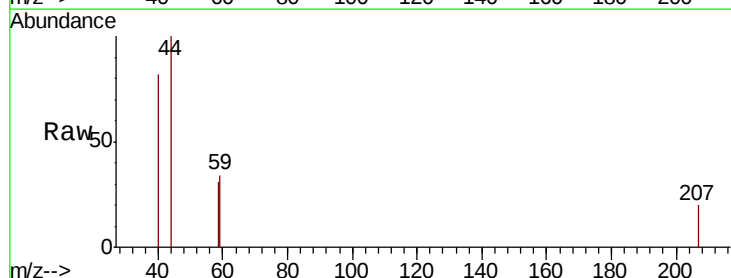
Acq: 9 Aug 2019 18:46

Tgt Ion: 59 Resp: 589

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VN057115.D (-739) (-)

Ion 57.00 (56.70 to 57.70): VN057115.D (-739) (-)

4.23

600

500

400

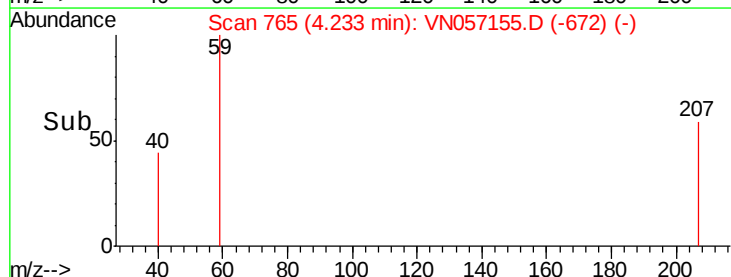
300

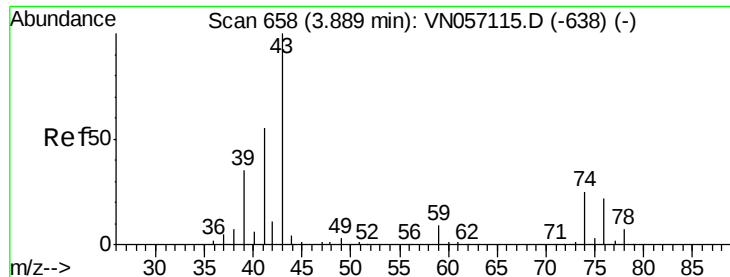
200

100

0

Time-->

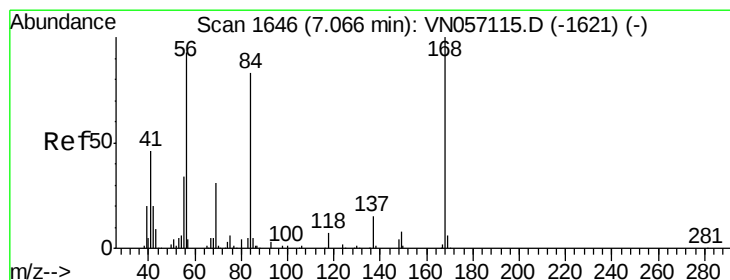
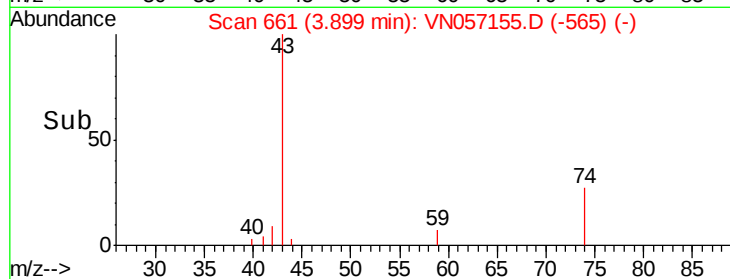
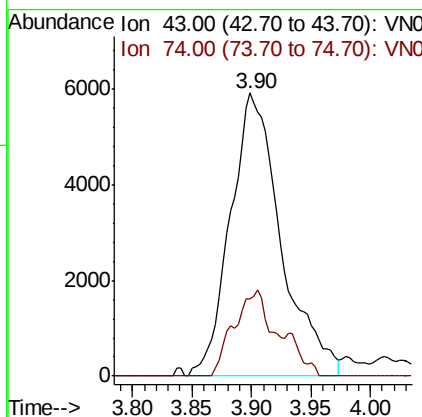
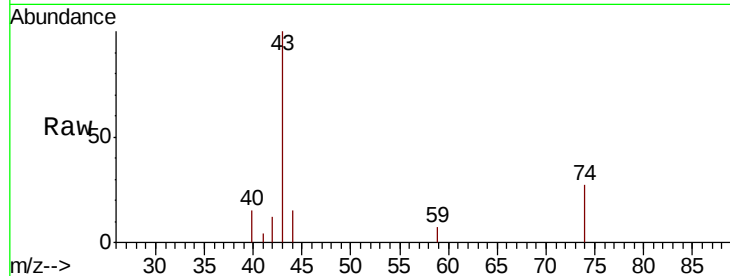




#18
Methyl Acetate
Concen: 0.757 ug/l
RT: 3.90 min Scan# 661
Delta R.T. 0.01 min
Lab File: VN057155.D
Acq: 9 Aug 2019 18:46

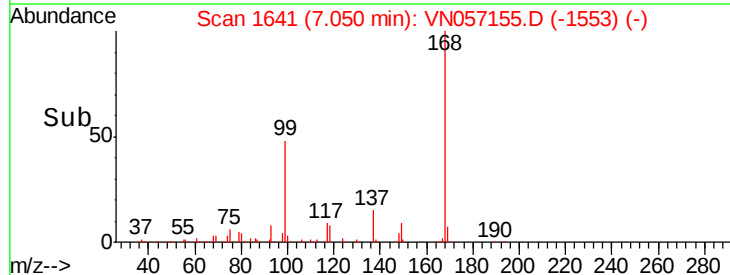
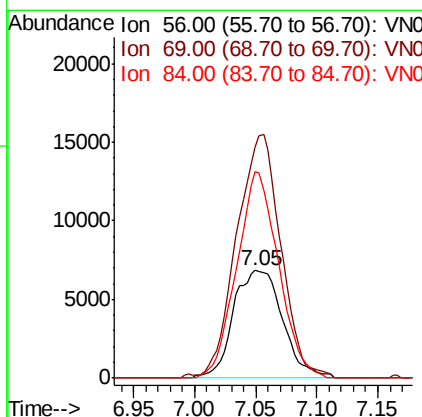
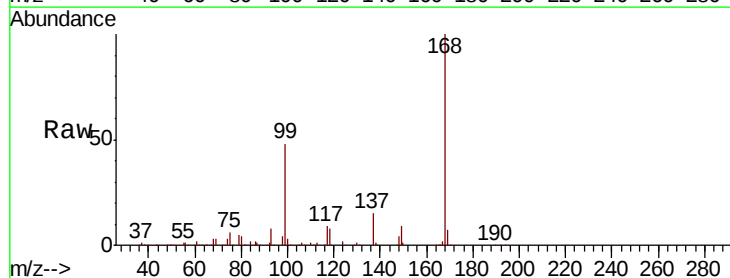
Instrument :
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MW-22D_080819DL

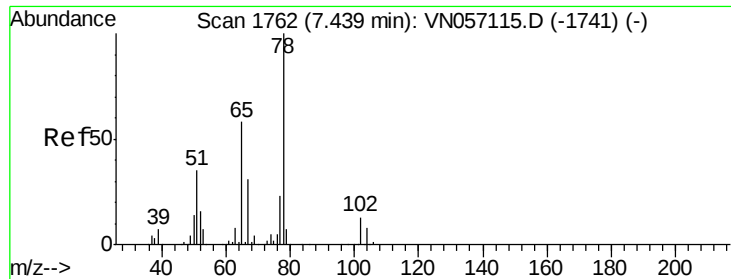
Tgt Ion: 43 Resp: 17555
Ion Ratio Lower Upper
43 100
74 22.6 20.2 30.4



#31
Cyclohexane
Concen: 0.951 ug/l
RT: 7.05 min Scan# 1641
Delta R.T. -0.02 min
Lab File: VN057155.D
Acq: 9 Aug 2019 18:46

Tgt Ion: 56 Resp: 19165
Ion Ratio Lower Upper
56 100
69 214.7 26.9 40.3#
84 191.9 71.9 107.9#

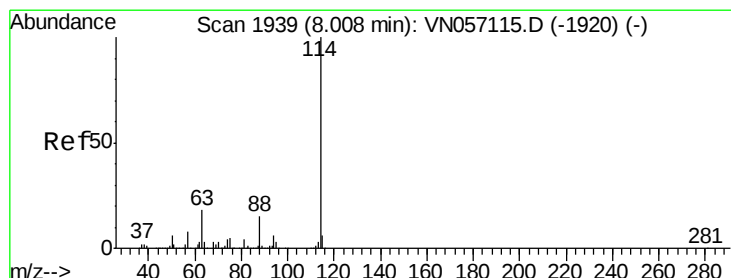
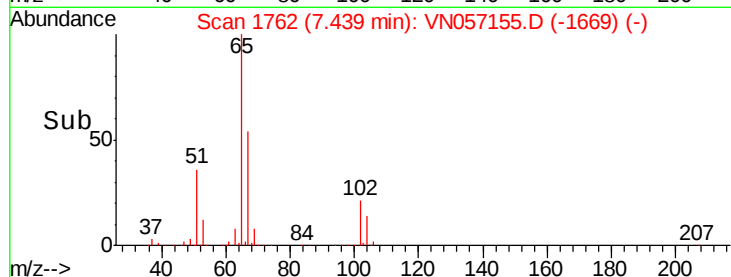
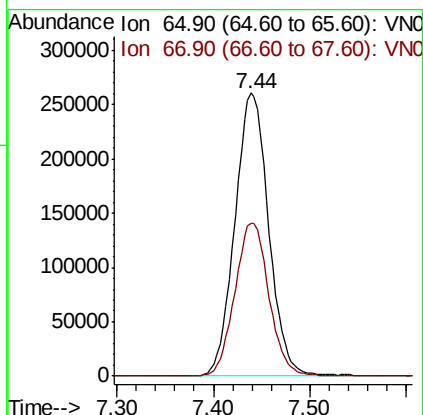
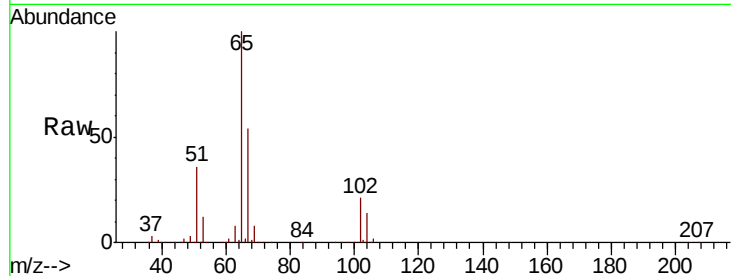




#33
 1,2-Dichloroethane-d4
 Concen: 45.446 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VN057155.D
 Acq: 9 Aug 2019 18:46

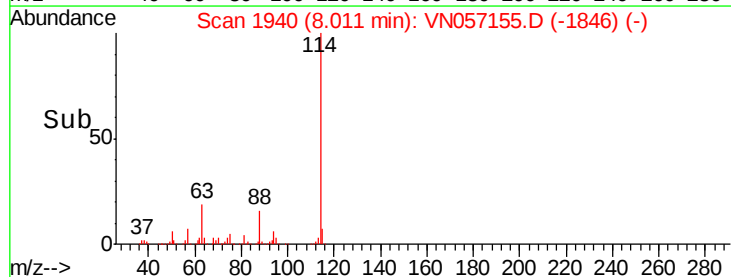
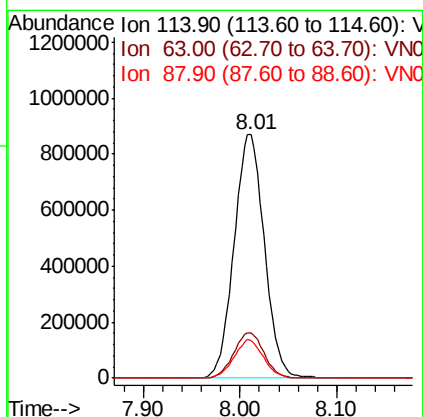
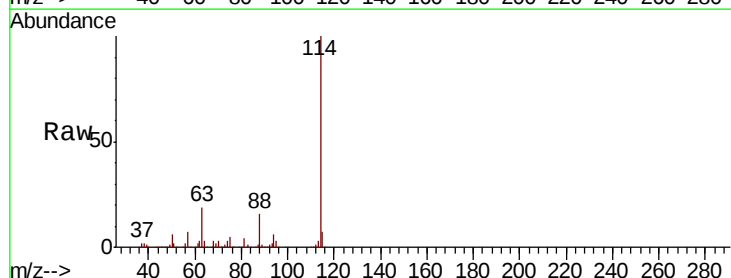
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22D_080819DL

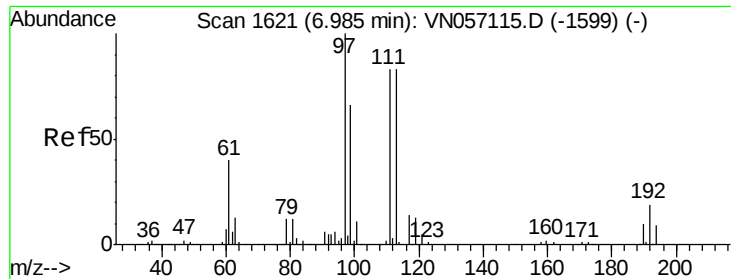
Tgt Ion: 65 Resp: 631658
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN057155.D
 Acq: 9 Aug 2019 18:46

Tgt Ion: 114 Resp: 1893597
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.2
 88 15.5 0.0 30.0

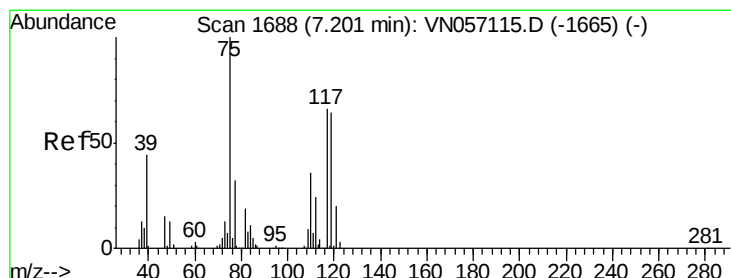
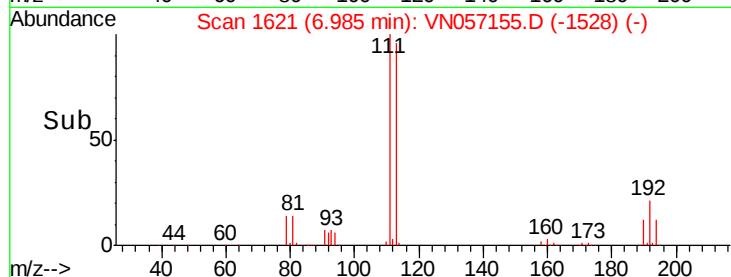
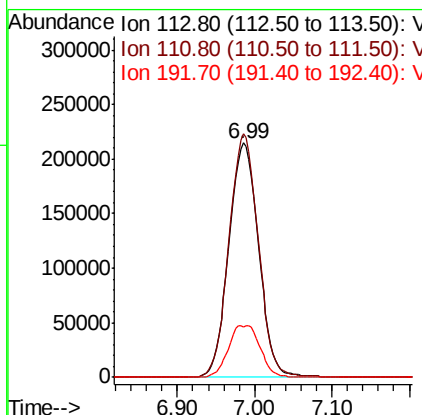
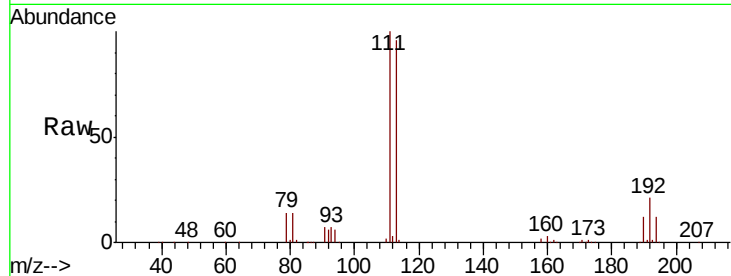




#35
 Dibromofluoromethane
 Concen: 48.361 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VN057155.D
 Acq: 9 Aug 2019 18:46

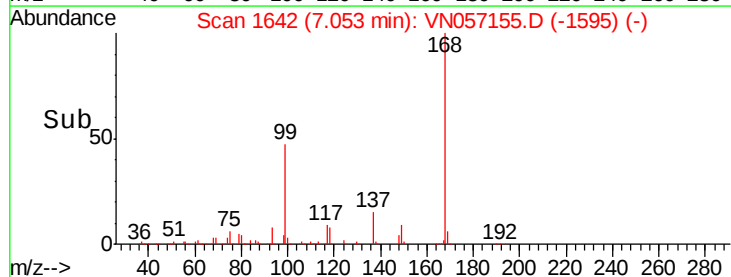
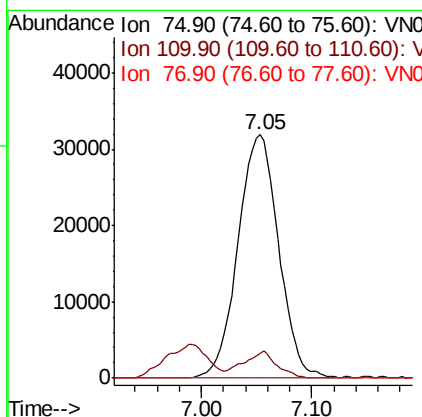
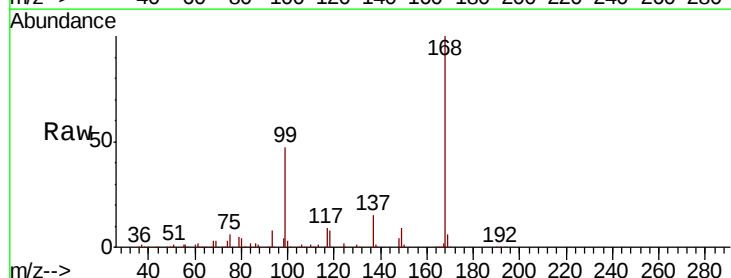
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 ClientSampleId :
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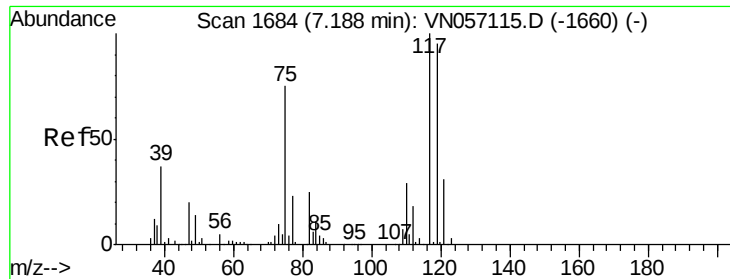
Tgt Ion:113 Resp: 574652
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.3 121.9
 192 11.9 19.0 28.4#



#36
 1,1-Dichloropropene
 Concen: 5.226 ug/l
 RT: 7.05 min Scan# 1642
 Delta R.T. -0.15 min
 Lab File: VN057155.D
 Acq: 9 Aug 2019 18:46

Tgt Ion: 75 Resp: 81478
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.7 56.1#
 77 0.0 25.0 37.4#

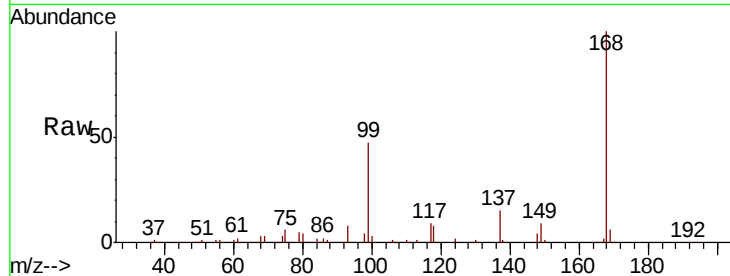




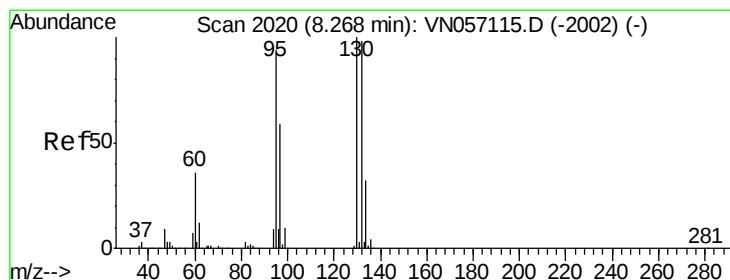
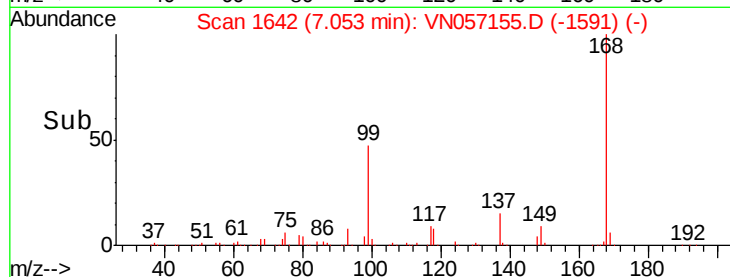
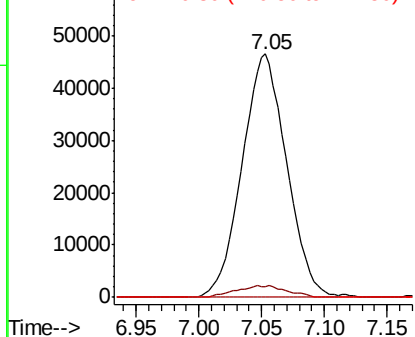
#38
Carbon Tetrachloride
Concen: 7.074 ug/l
RT: 7.05 min Scan# 1642
Delta R.T. -0.14 min
Lab File: VN057155.D
Acq: 9 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
MW-22D_080819DL

Tgt Ion:117 Resp: 114939
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.6#
121 0.0 24.4 36.6#

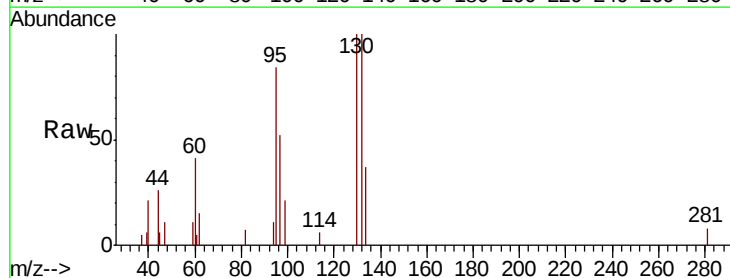


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

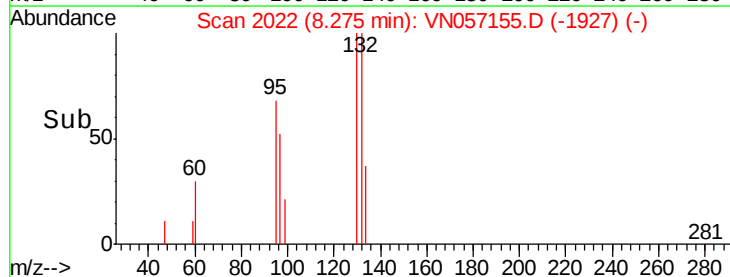
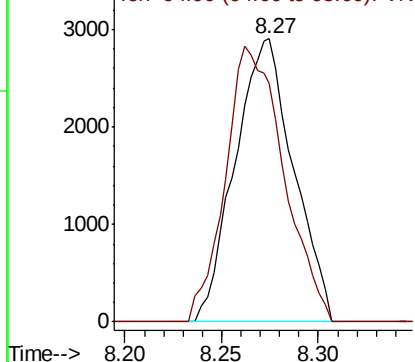


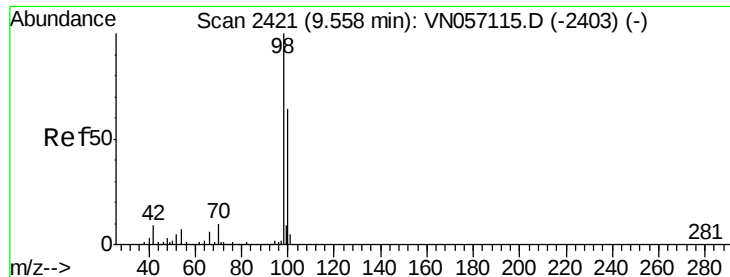
#44
Trichloroethene
Concen: 0.442 ug/l
RT: 8.27 min Scan# 2022
Delta R.T. 0.01 min
Lab File: VN057155.D
Acq: 9 Aug 2019 18:46

Tgt Ion:130 Resp: 6112
Ion Ratio Lower Upper
130 100
95 84.3 0.0 187.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V

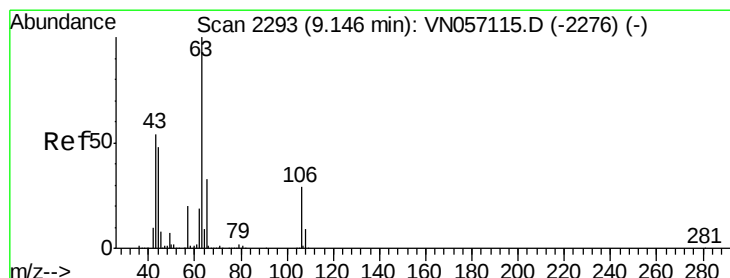
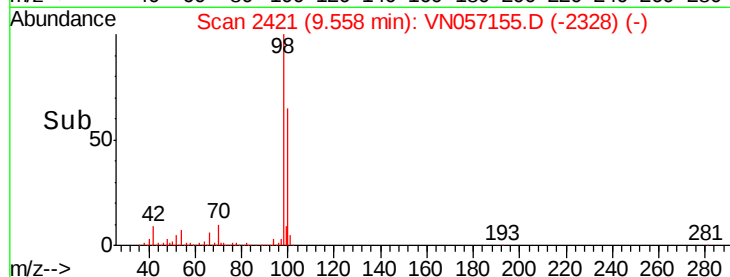
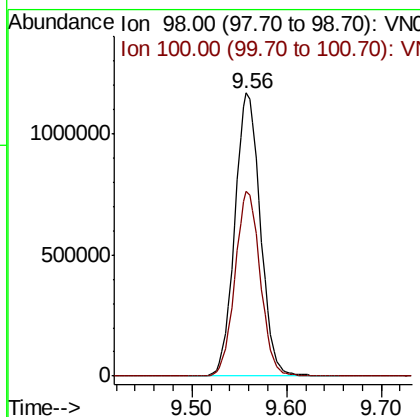
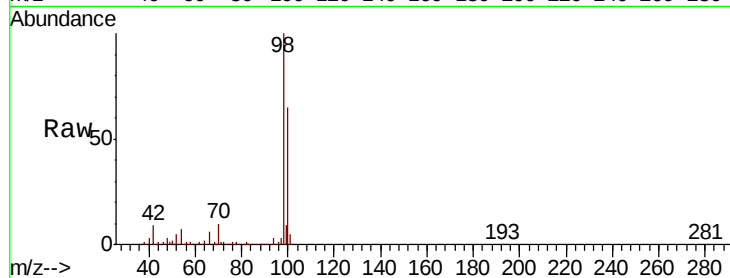




#50
Toluene-d8
Concen: 48.086 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. 0.00 min
Lab File: VN057155.D
Acq: 9 Aug 2019 18:46

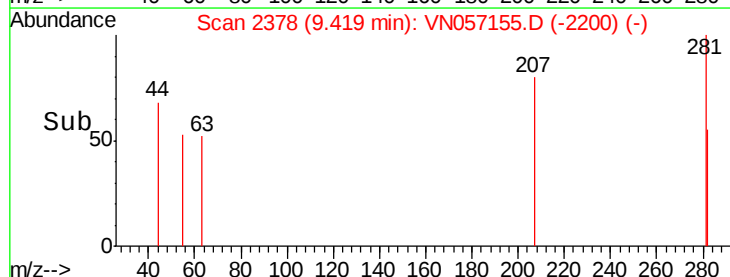
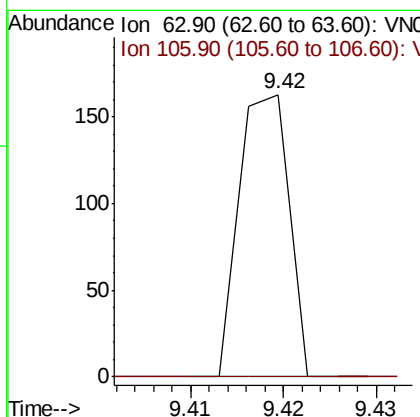
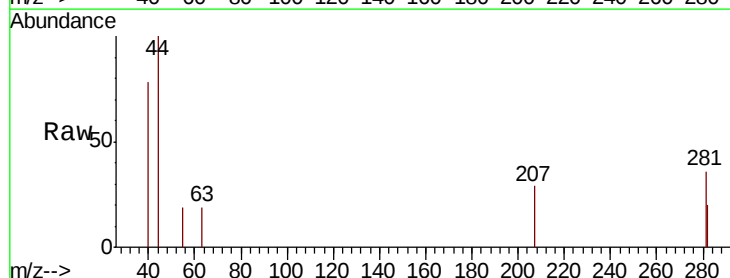
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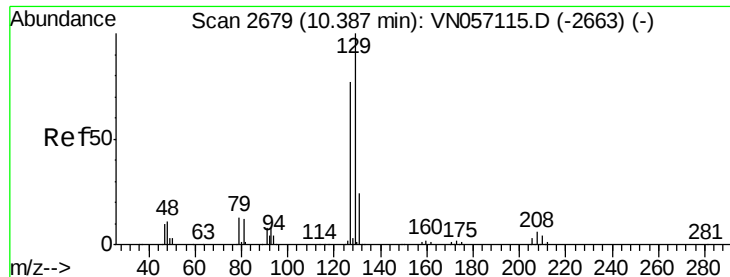
Tgt Ion: 98 Resp: 2186035
Ion Ratio Lower Upper
98 100
100 64.7 51.2 76.8



#58
2-Chloroethyl Vinyl ether
Concen: 13.124 ug/l
RT: 9.42 min Scan# 2378
Delta R.T. 0.27 min
Lab File: VN057155.D
Acq: 9 Aug 2019 18:46

Tgt Ion: 63 Resp: 62
Ion Ratio Lower Upper
63 100
106 0.0 22.6 33.8#

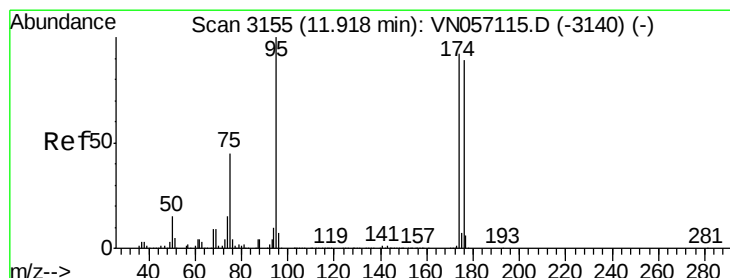
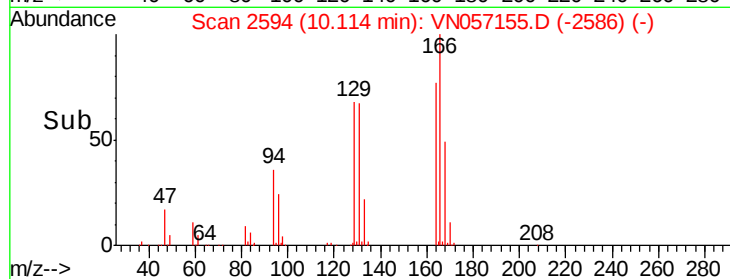
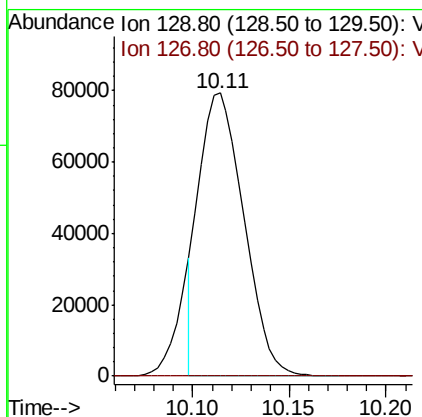
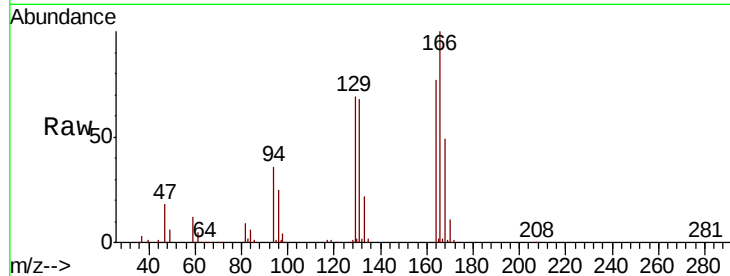




#60
Dibromochloromethane
Concen: 10.018 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. -0.27 min
Lab File: VN057155.D
Acq: 9 Aug 2019 18:46

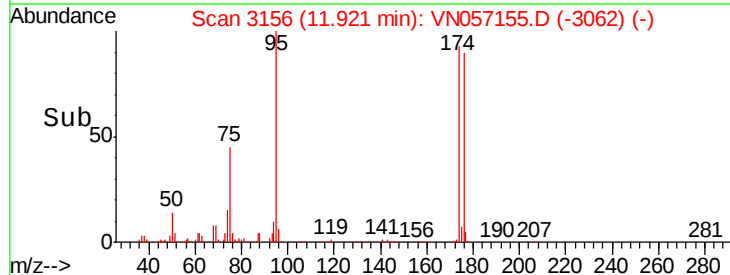
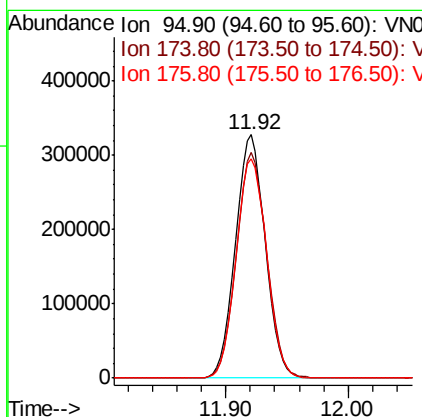
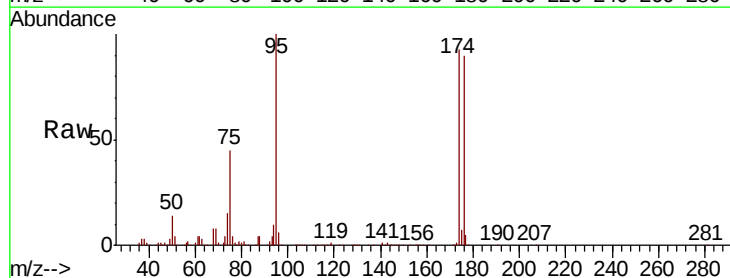
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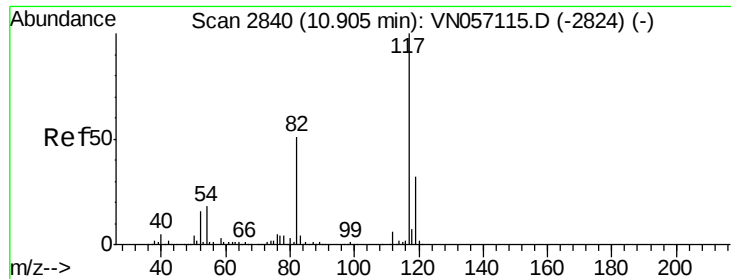
Tgt Ion: 129 Resp: 126756
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 37.848 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN057155.D
Acq: 9 Aug 2019 18:46

Tgt Ion: 95 Resp: 554396
Ion Ratio Lower Upper
95 100
174 93.5 0.0 185.0
176 92.3 0.0 181.2

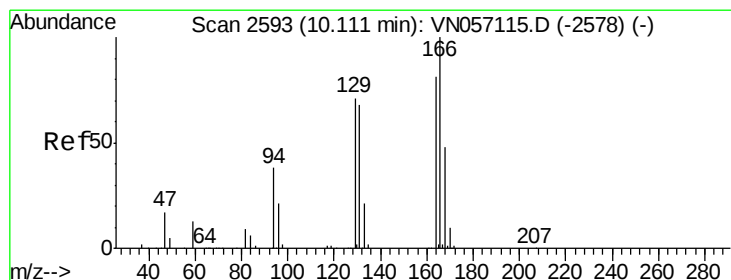
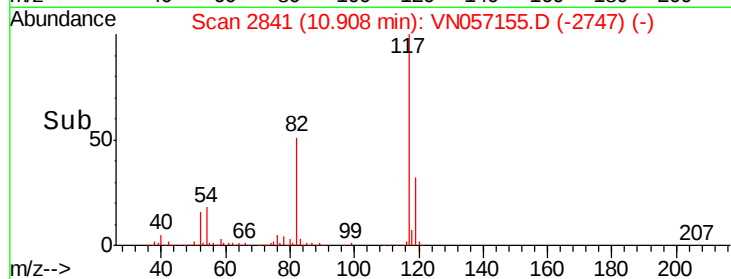
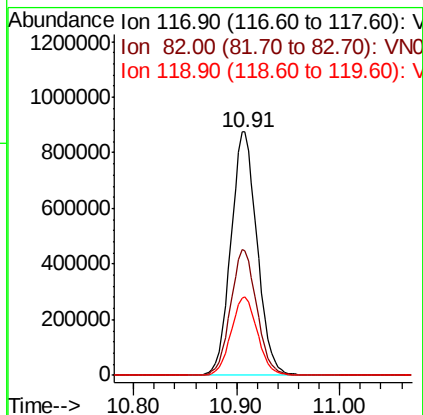
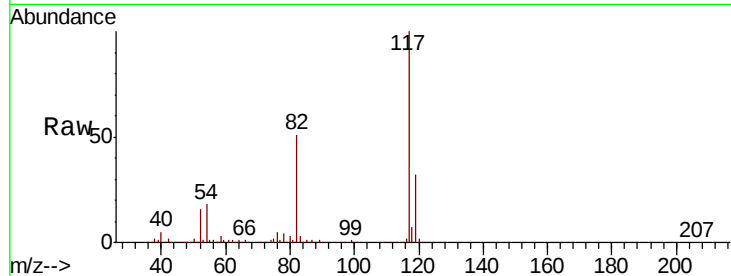




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057155.D
Acq: 9 Aug 2019 18:46

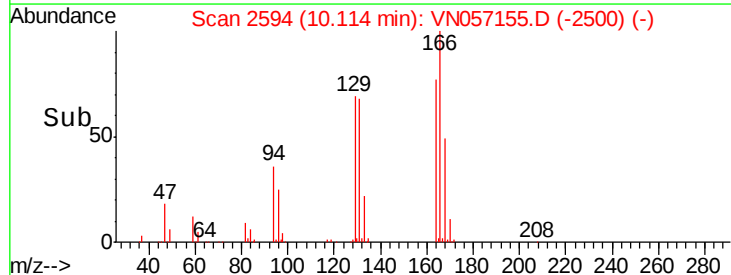
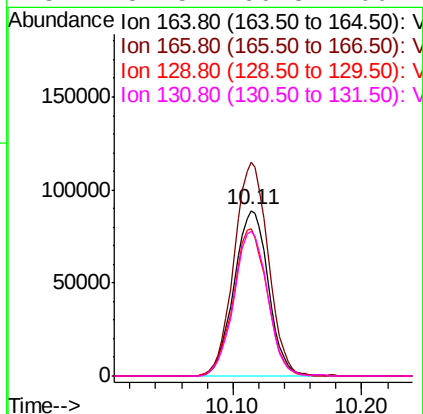
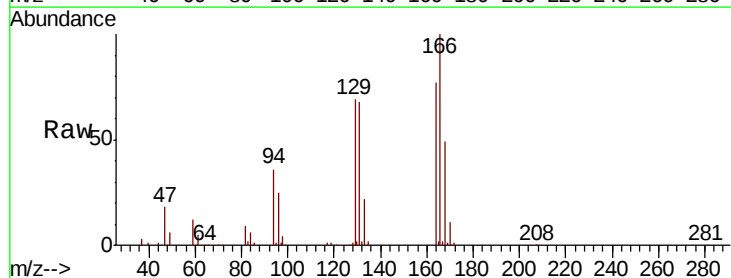
Instrument :
MSVOA_N
ClientSampleId :
MW-22D_080819DL

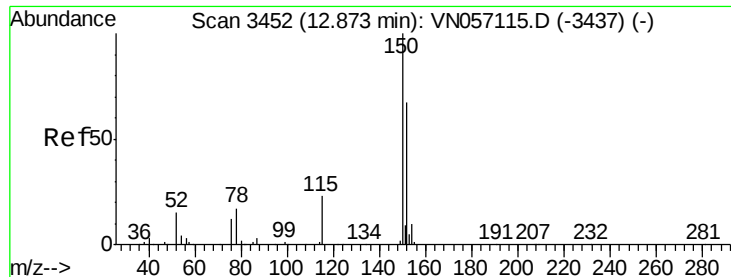
Tgt Ion:117 Resp: 1548283
Ion Ratio Lower Upper
117 100
82 51.3 40.8 61.2
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 12.727 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057155.D
Acq: 9 Aug 2019 18:46

Tgt Ion:164 Resp: 163880
Ion Ratio Lower Upper
164 100
166 129.1 98.3 147.5
129 89.2 69.8 104.6
131 87.5 66.8 100.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.87 min Scan# 3452

Delta R.T. 0.00 min

Lab File: VN057155.D

Acq: 9 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

MW-22D_080819DL

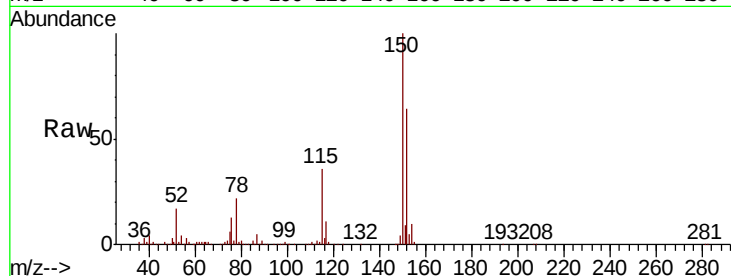
Tgt Ion:152 Resp: 365049

Ion Ratio Lower Upper

152 100

115 54.9 27.5 82.5

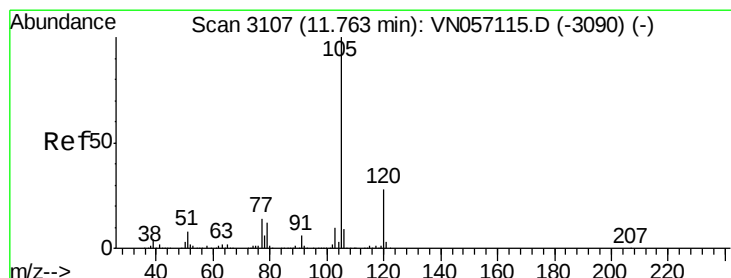
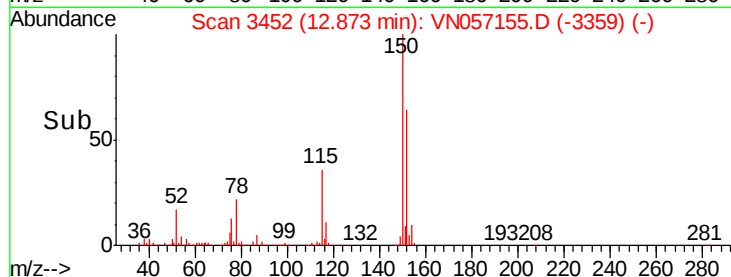
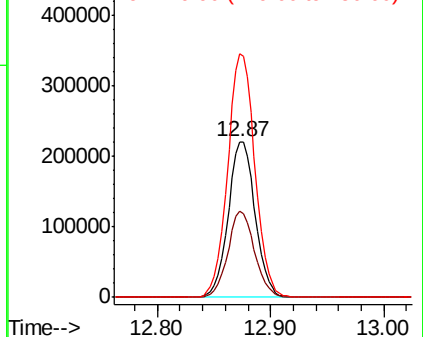
150 157.6 0.0 341.6



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: VN057155.D

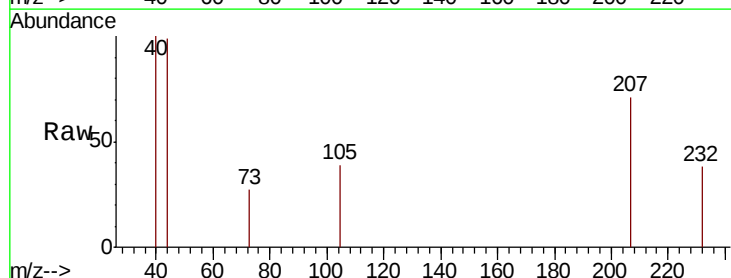
Acq: 9 Aug 2019 18:46

Tgt Ion:105 Resp: 111

Ion Ratio Lower Upper

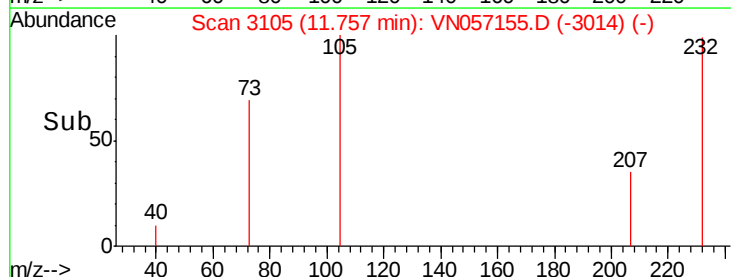
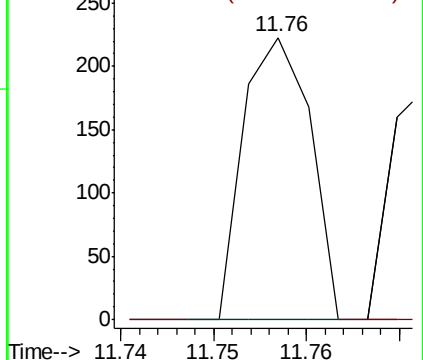
105 100

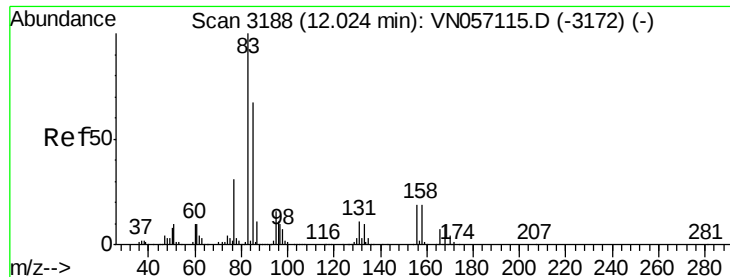
120 0.0 13.7 41.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.92 min Scan# 3157

Delta R.T. -0.10 min

Lab File: VN057155.D

Acq: 9 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

MW-22D_080819DL

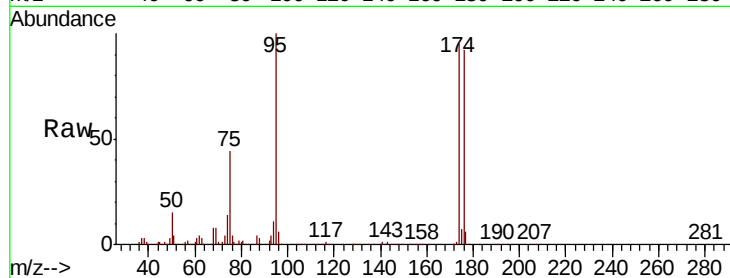
Tgt Ion: 83 Resp: 260

Ion Ratio Lower Upper

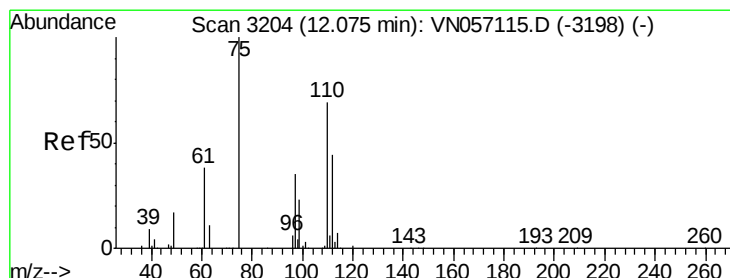
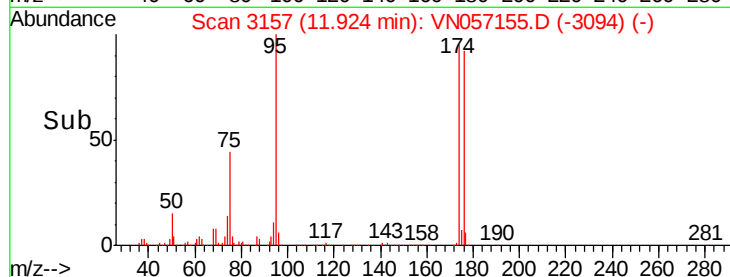
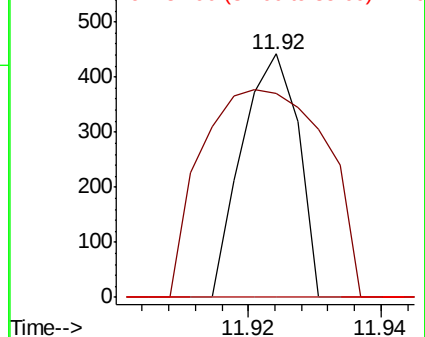
83 100

131 188.8 5.5 16.4#

85 0.0 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 34.460 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.16 min

Lab File: VN057155.D

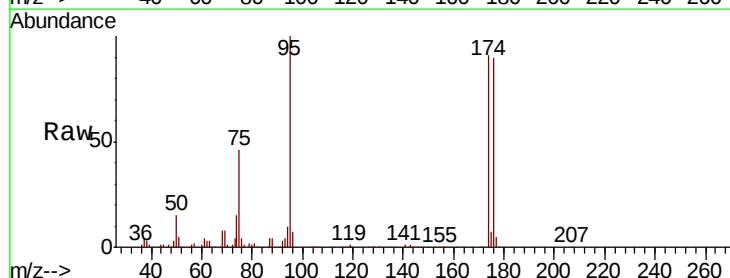
Acq: 9 Aug 2019 18:46

Tgt Ion: 75 Resp: 252091

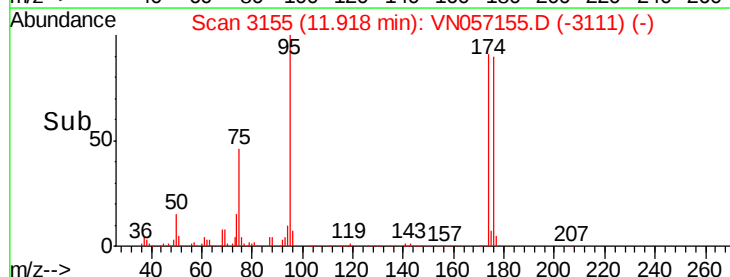
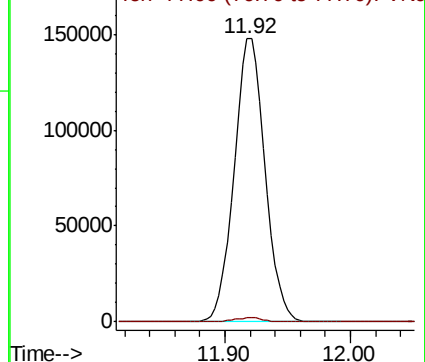
Ion Ratio Lower Upper

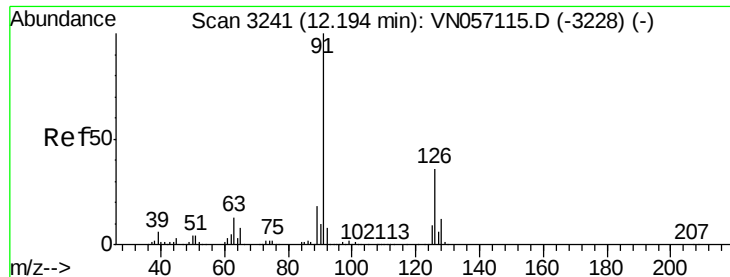
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO

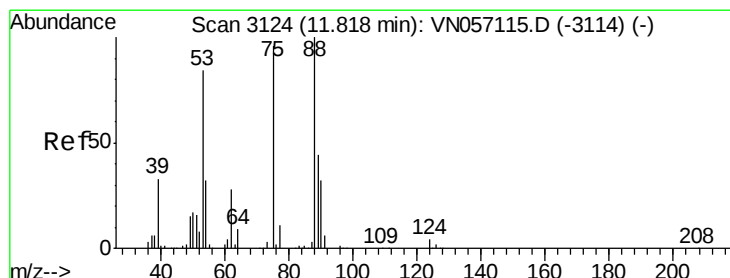
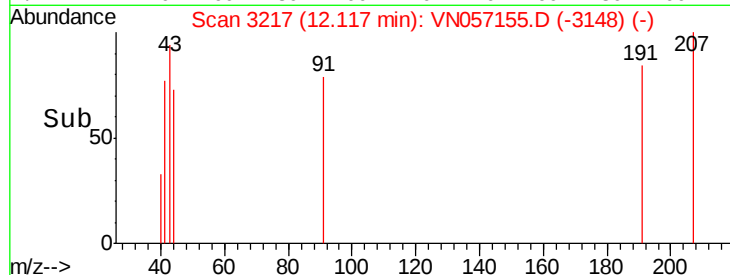
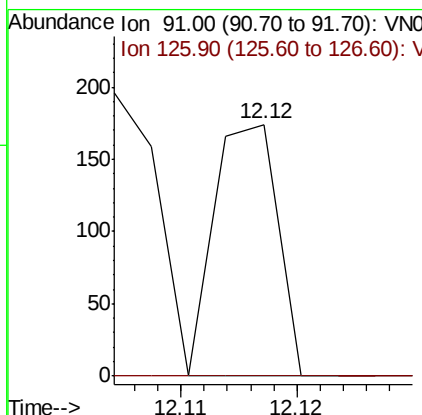
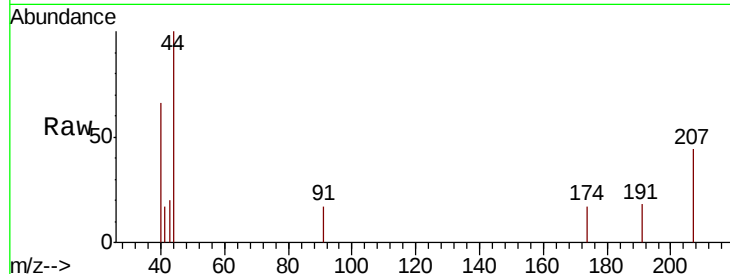




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.12 min Scan# 3217
 Delta R.T. -0.08 min
 Lab File: VN057155.D
 Acq: 9 Aug 2019 18:46

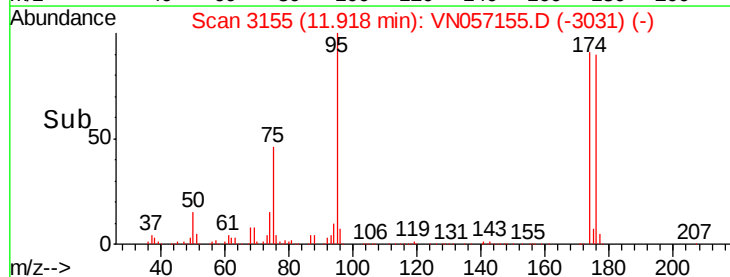
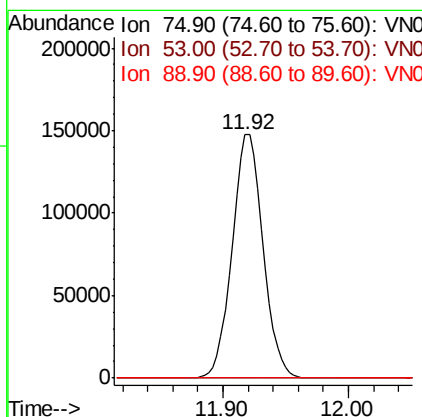
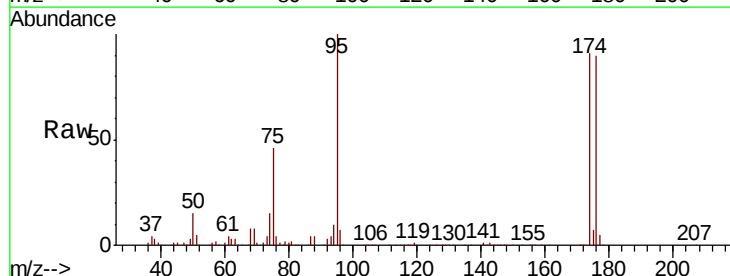
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22D_080819DL

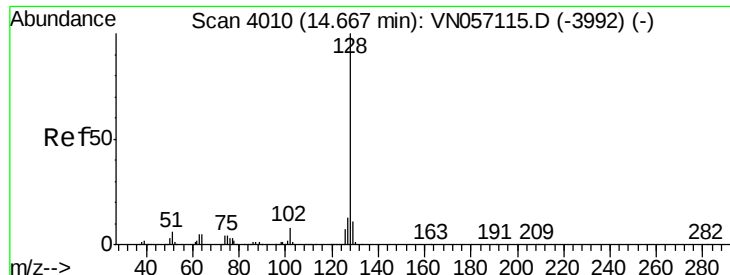
Tgt Ion: 91 Resp: 66
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.537 ug/l
 RT: 11.92 min Scan# 3155
 Delta R.T. 0.10 min
 Lab File: VN057155.D
 Acq: 9 Aug 2019 18:46

Tgt Ion: 75 Resp: 252091
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.6 106.0#
 89 0.0 36.4 54.6#





#95

Naphthalene

Concen: 2.808 ug/l

RT: 14.66 min Scan# 4007

Delta R.T. -0.01 min

Lab File: VN057155.D

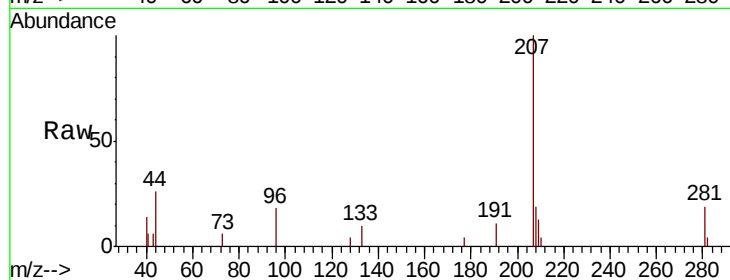
Acq: 9 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

MW-22D_080819DL



Tgt Ion:	128	Resp:	62
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

