

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
 Data File : VN057161.D
 Acq On : 9 Aug 2019 21:12
 Operator : JC/SP
 Sample : K4262-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22D_080819

Quant Time: Aug 10 02:16:48 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	1313599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1793735	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1457972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	345192	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	595442	44.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.16%	
35) Dibromofluoromethane	6.99	113	539162	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	9.56	98	2066336	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
62) 4-Bromofluorobenzene	11.92	95	526613	37.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.90%	

Target Compounds						Qvalue
5) Bromomethane	2.45	94	3384	0.382	ug/l #	79
12) 1,1-Dichloroethene	3.43	96	2330	0.208	ug/l	91
15) Acrylonitrile	4.47	53	1075	0.207	ug/l #	41
16) Acetone	3.48	43	12374	3.033	ug/l	94
17) Carbon Disulfide	3.72	76	12768	0.429	ug/l	98
18) Methyl Acetate	3.90	43	16528	0.712	ug/l	94
19) Methyl tert-butyl Ether	4.50	73	9395	0.278	ug/l	98
20) Methylene Chloride	4.10	84	2916	0.217	ug/l	91
27) cis-1,2-Dichloroethene	6.21	96	7129	0.511	ug/l	84
31) Cyclohexane	7.06	56	20720	1.057	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	79768	5.401	ug/l #	48
38) Carbon Tetrachloride	7.05	117	108467	7.047	ug/l #	17
44) Trichloroethene	8.27	130	64480	4.923	ug/l	89
51) 4-Methyl-2-Pentanone	9.45	43	4230	0.350	ug/l	96
55) 1,1,2-Trichloroethane	10.11	97	8779	0.769	ug/l #	1
59) 2-Hexanone	10.24	43	6735	0.823	ug/l	90
60) Dibromochloromethane	10.11	129	1056841	88.176	ug/l #	11
64) Tetrachloroethene	10.11	164	1297901	107.042	ug/l	97
68) m/p-Xylenes	11.12	106	5977	0.321	ug/l	94
73) Isopropylbenzene	11.76	105	6430	Below Cal		86
74) N-amyl acetate	11.59	43	3856	0.441	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.03	83	1122	Below Cal	#	54
76) 1,2,3-Trichloropropane	11.92	75	240400	34.779	ug/l #	100
77) Bromobenzene	12.05	156	3039	0.366	ug/l	95
78) n-propylbenzene	12.11	91	10163	0.307	ug/l	100
79) 2-Chlorotoluene	12.20	91	7518	Below Cal		96
80) 1,3,5-Trimethylbenzene	12.26	105	7096	0.266	ug/l	77
81) trans-1,4-Dichloro-2-buten	11.92	75	240400	102.399	ug/l #	14
82) 4-Chlorotoluene	12.30	91	9791	0.511	ug/l	94
83) tert-Butylbenzene	12.52	119	6056	Below Cal		93
84) 1,2,4-Trimethylbenzene	12.57	105	9698	0.376	ug/l	89
85) sec-Butylbenzene	12.70	105	9567	0.318	ug/l	97
86) p-Isopropyltoluene	12.82	119	10815	0.410	ug/l	94
87) 1,3-Dichlorobenzene	12.81	146	7455	0.631	ug/l	84

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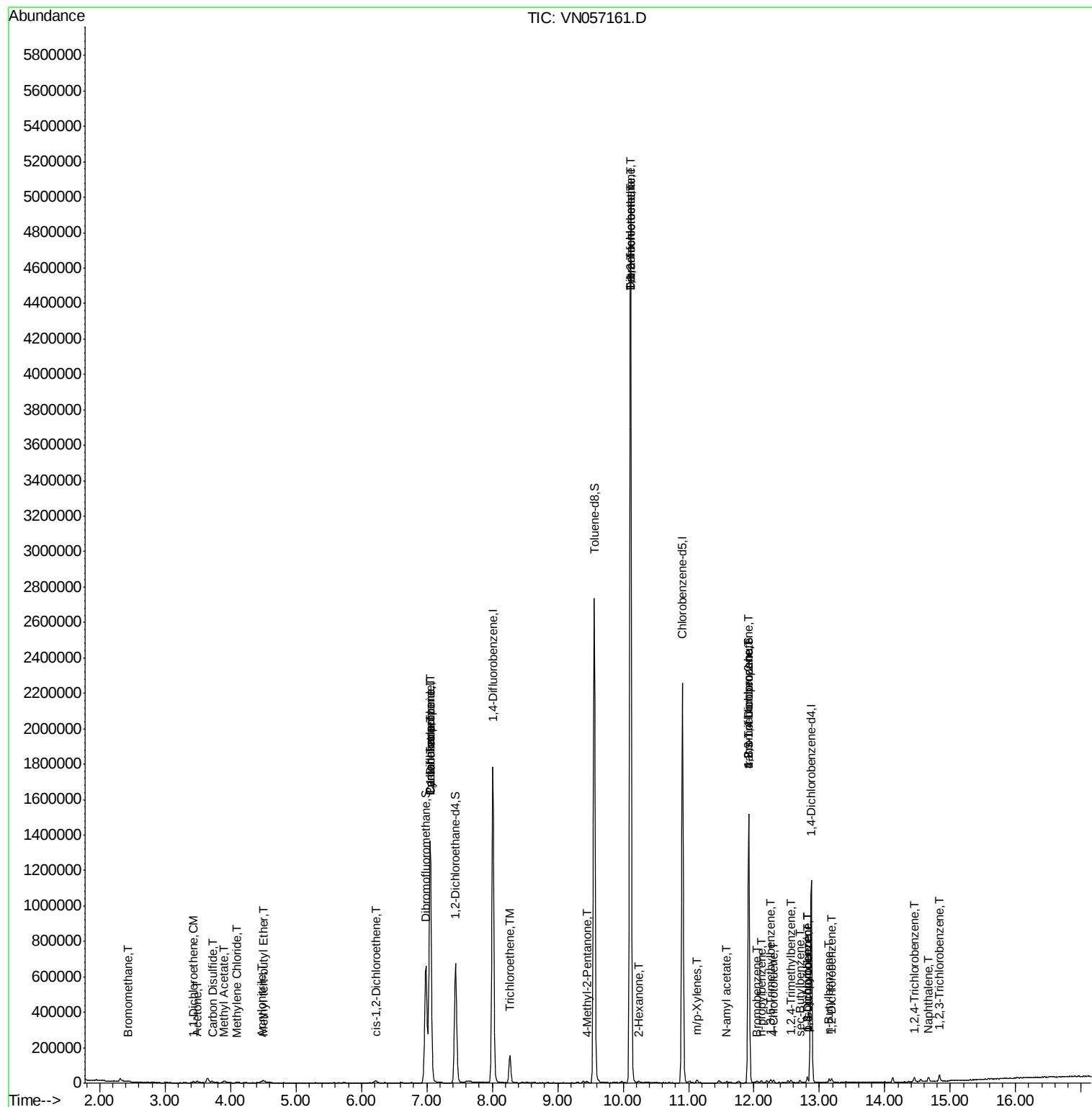
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	12.81	146	7455	0.666	ug/l	83
89) n-Butylbenzene	13.15	91	12121	0.665	ug/l	91
90) Hexachloroethane	13.40	117	673	Below Cal	#	28
91) 1,2-Dichlorobenzene	13.19	146	10629	0.901	ug/l	94
93) 1,2,4-Trichlorobenzene	14.45	180	8129	7.362	ug/l	83
94) Hexachlorobutadiene	14.55	225	3315	Below Cal		88
95) Naphthalene	14.67	128	19672	5.000	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	12938	7.936	ug/l	97

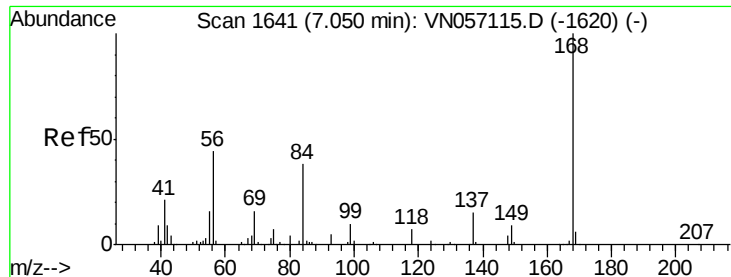
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
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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: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

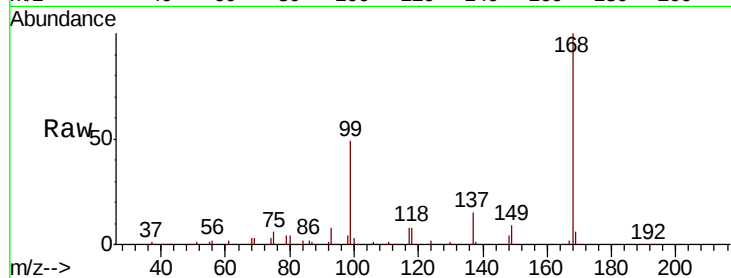
MW-22D_080819

Tgt Ion:168 Resp: 1313599

Ion Ratio Lower Upper

168 100

99 48.9 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): VN057161.D (-1620) (-)

Ion 98.90 (98.60 to 99.60): VN057161.D (-1620) (-)

7.05

600000

500000

400000

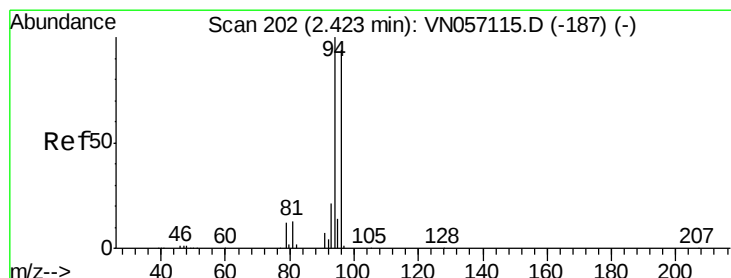
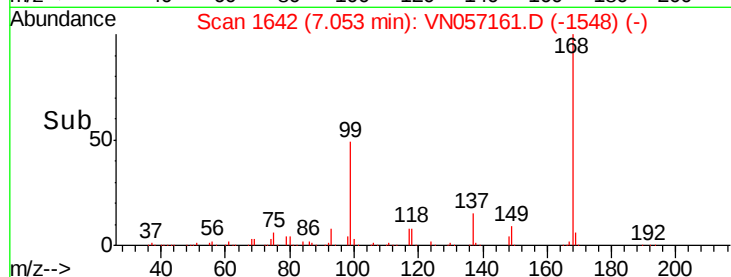
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 0.382 ug/l

RT: 2.45 min Scan# 210

Delta R.T. 0.03 min

Lab File: VN057161.D

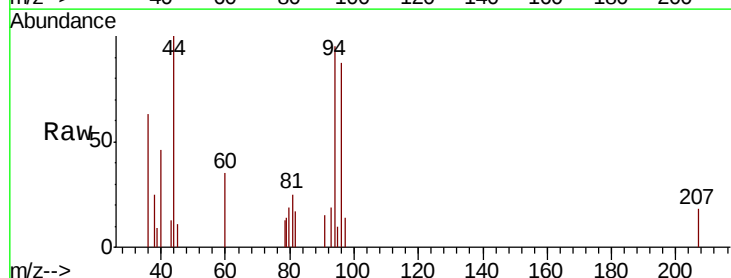
Acq: 9 Aug 2019 21:12

Tgt Ion: 94 Resp: 3384

Ion Ratio Lower Upper

94 100

96 73.4 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VN057161.D (-108) (-)

Ion 95.90 (95.60 to 96.60): VN057161.D (-108) (-)

2.45

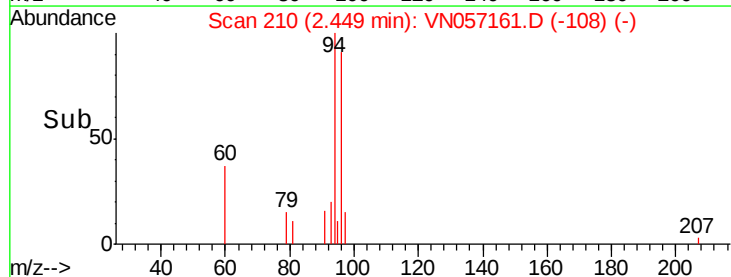
1500

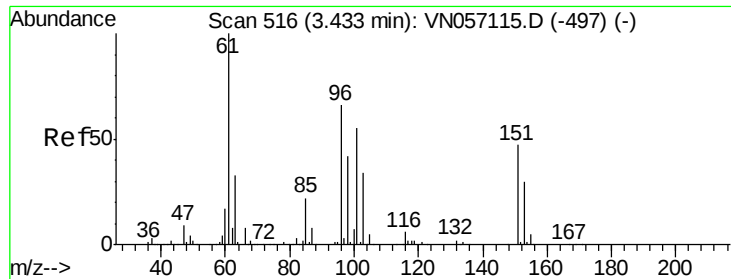
1000

500

0

Time--> 2.40 2.45 2.50

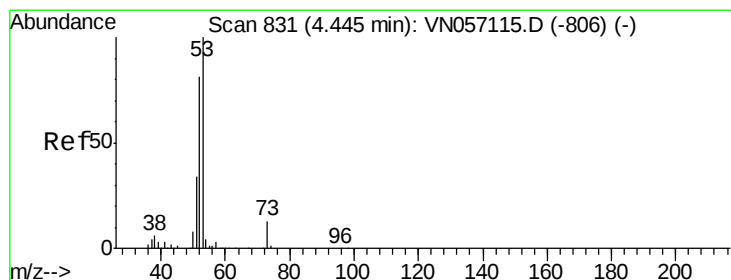
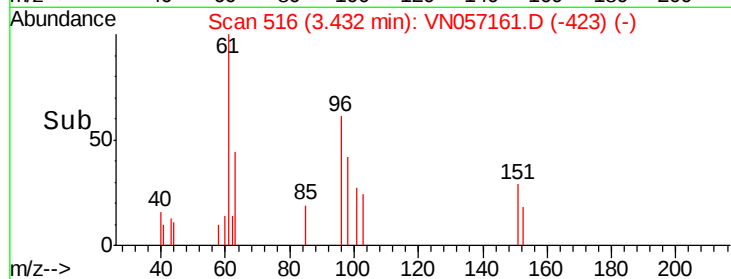
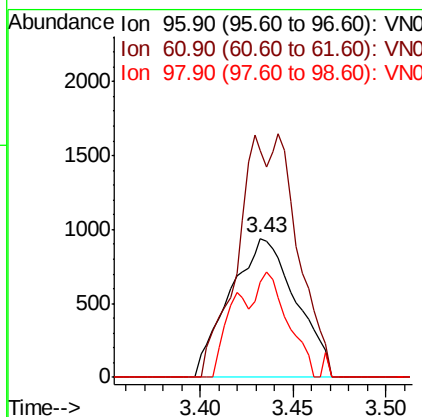
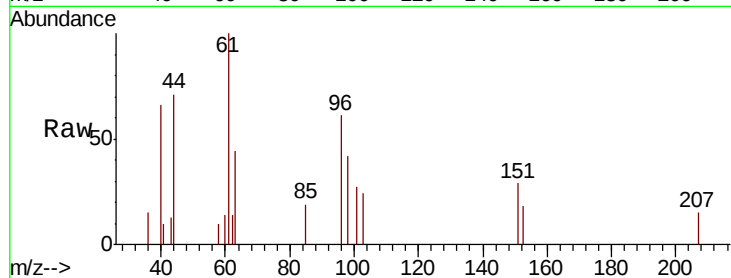




#12
 1,1-Dichloroethene
 Concen: 0.208 ug/l
 RT: 3.43 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

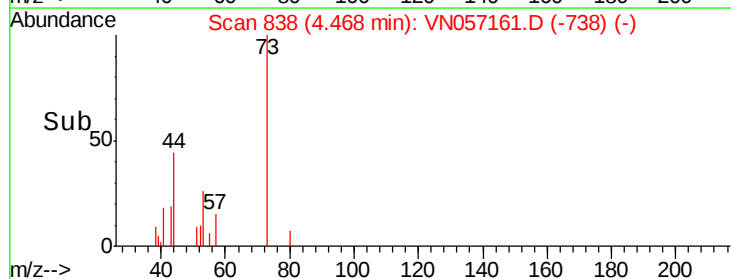
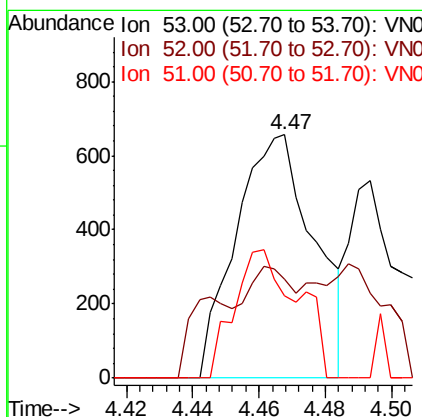
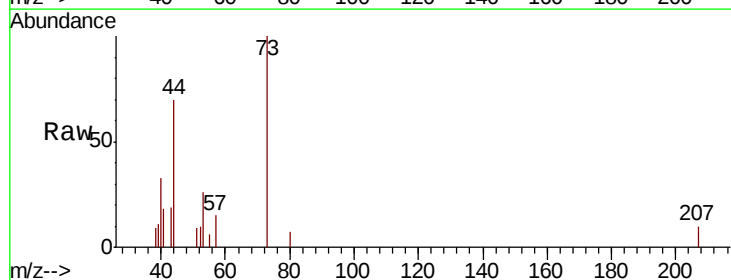
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 MW-22D_080819

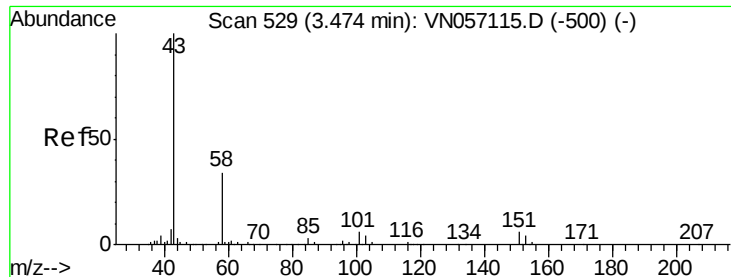
Tgt Ion: 96 Resp: 2330
 Ion Ratio Lower Upper
 96 100
 61 163.4 121.0 181.6
 98 68.9 50.8 76.2



#15
 Acrylonitrile
 Concen: 0.207 ug/l
 RT: 4.47 min Scan# 838
 Delta R.T. 0.02 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

Tgt Ion: 53 Resp: 1075
 Ion Ratio Lower Upper
 53 100
 52 11.4 64.9 97.3#
 51 42.9 27.8 41.6#

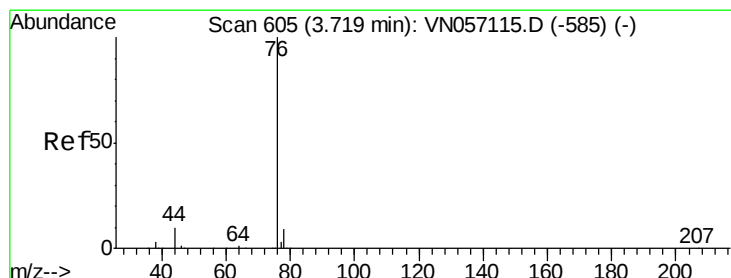
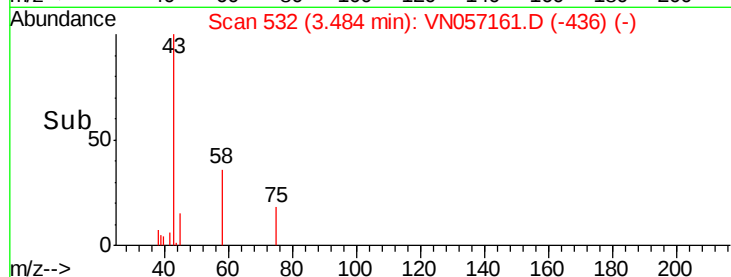
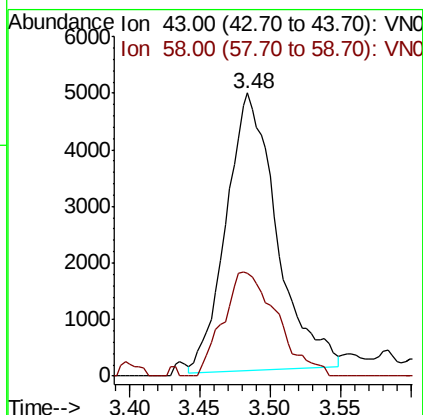
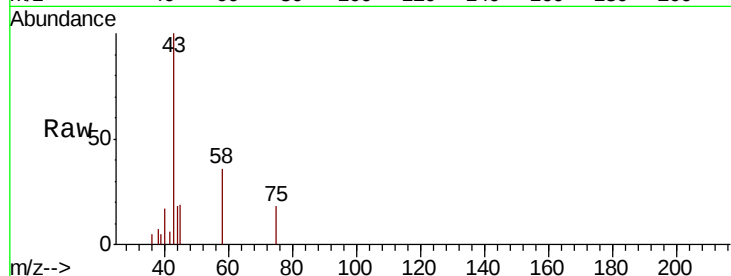




#16
Acetone
Concen: 3.033 ug/l
RT: 3.48 min Scan# 532
Delta R.T. 0.01 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

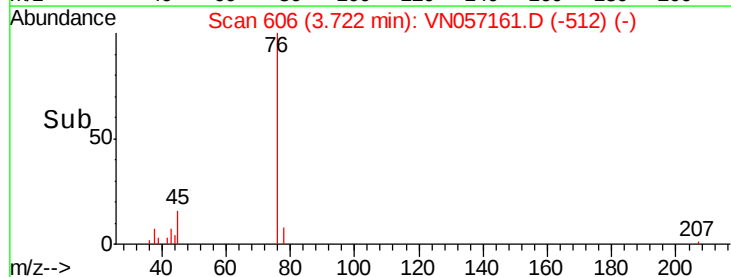
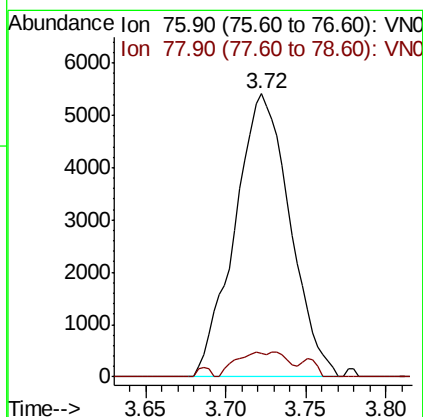
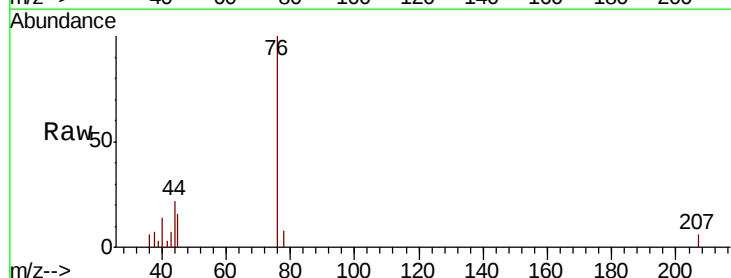
Instrument :
MSVOA_N
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MW-22D_080819

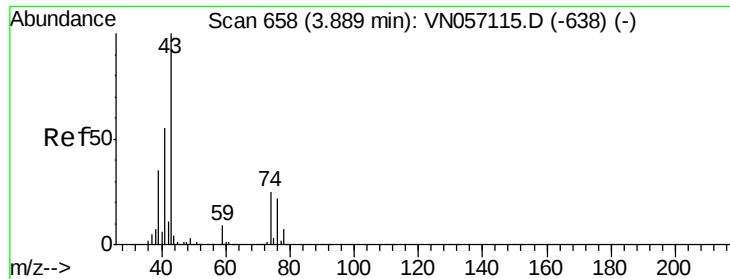
Tgt Ion: 43 Resp: 12374
Ion Ratio Lower Upper
43 100
58 37.7 27.4 41.2



#17
Carbon Disulfide
Concen: 0.429 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

Tgt Ion: 76 Resp: 12768
Ion Ratio Lower Upper
76 100
78 8.2 7.0 10.6

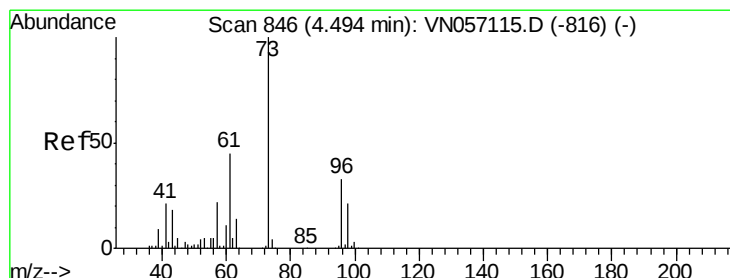
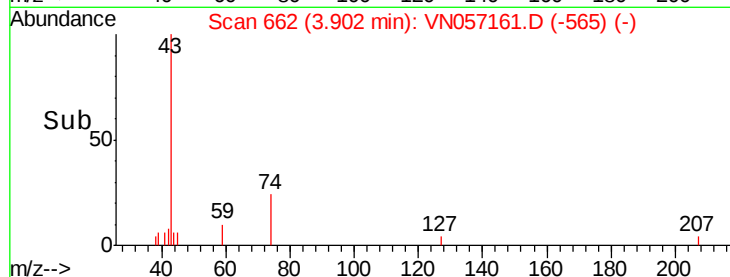
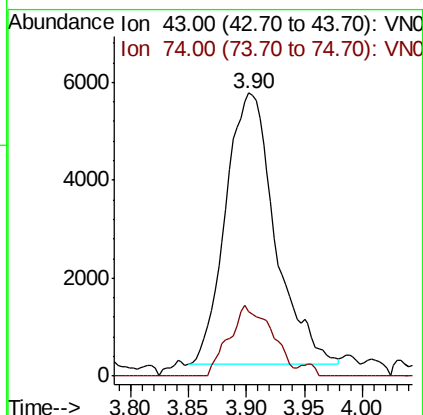
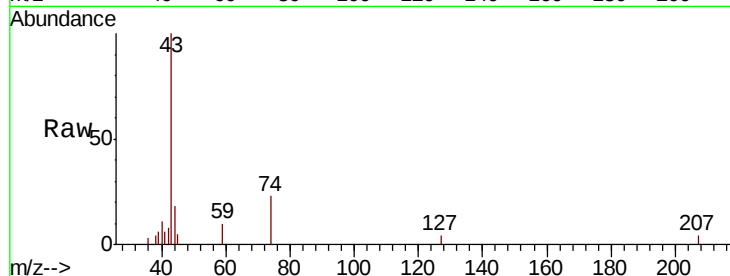




#18
Methyl Acetate
Concen: 0.712 ug/l
RT: 3.90 min Scan# 662
Delta R.T. 0.01 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

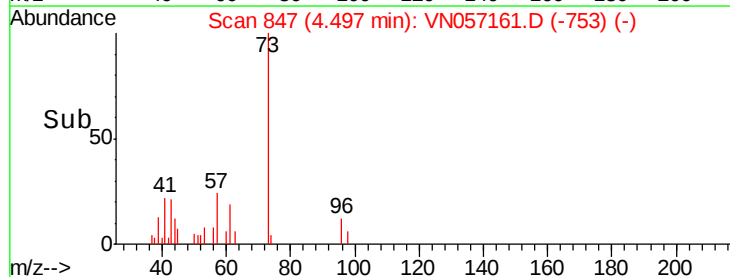
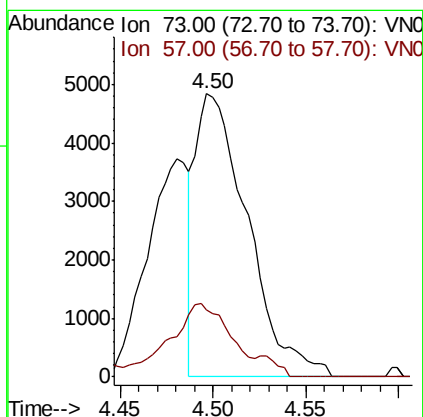
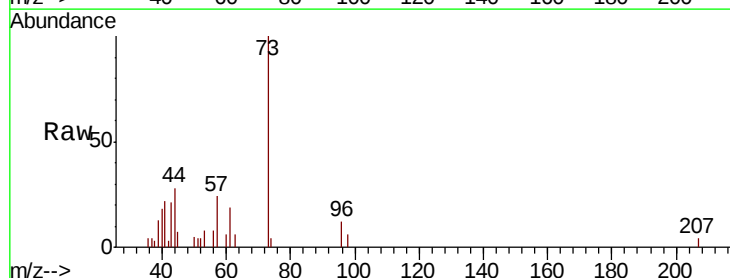
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MSVOA_N
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MW-22D_080819

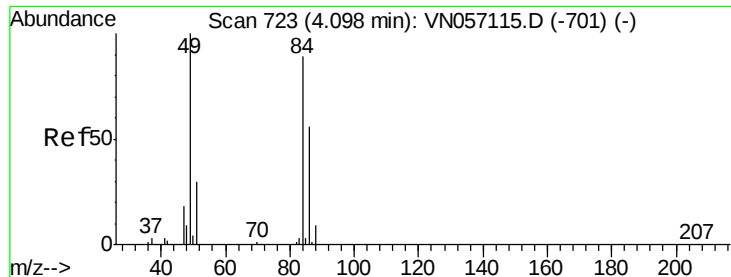
Tgt Ion: 43 Resp: 16528
Ion Ratio Lower Upper
43 100
74 22.3 20.2 30.4



#19
Methyl tert-butyl Ether
Concen: 0.278 ug/l
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

Tgt Ion: 73 Resp: 9395
Ion Ratio Lower Upper
73 100
57 23.7 18.0 27.0





#20

Methylene Chloride

Concen: 0.217 ug/l

RT: 4.10 min Scan# 725

Delta R.T. 0.01 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

MW-22D_080819

Tgt Ion: 84 Resp: 2916

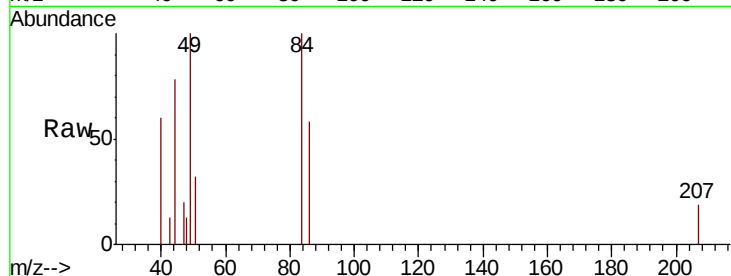
Ion Ratio Lower Upper

84 100

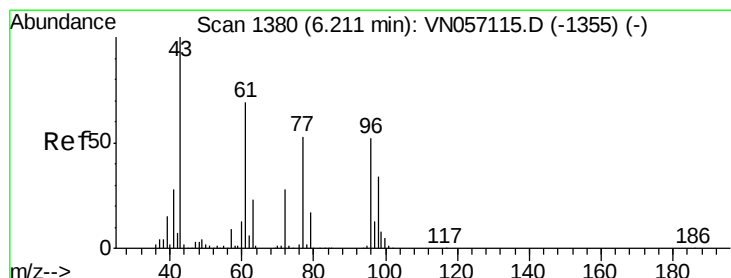
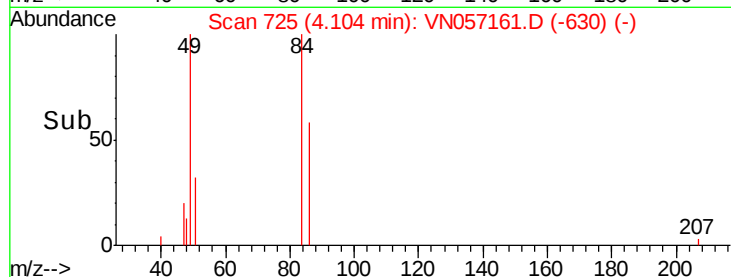
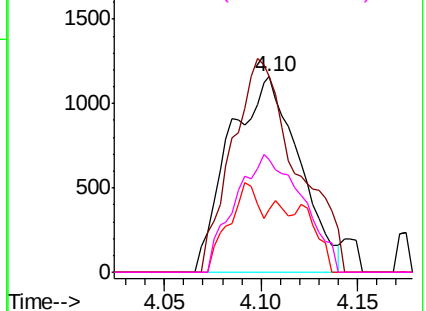
49 99.8 89.5 134.3

51 31.8 27.2 40.8

86 57.8 50.6 75.8



Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO



#27

cis-1,2-Dichloroethene

Concen: 0.511 ug/l

RT: 6.21 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

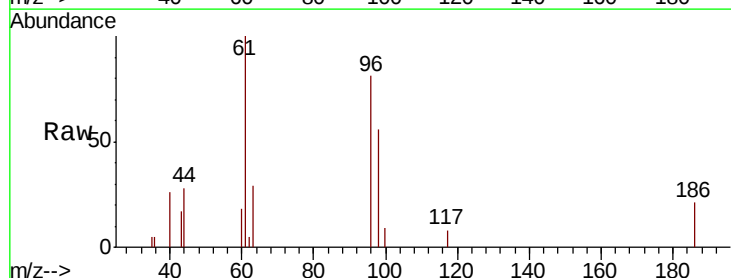
Tgt Ion: 96 Resp: 7129

Ion Ratio Lower Upper

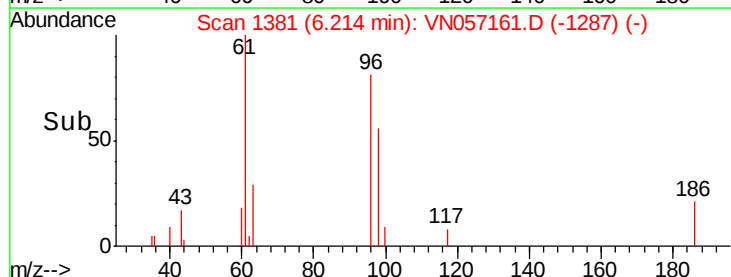
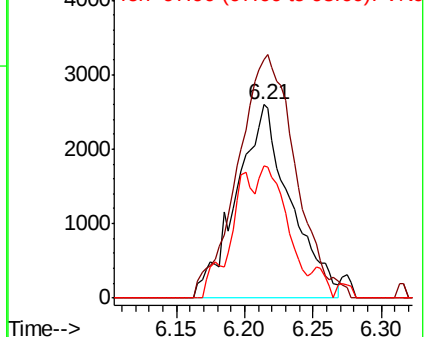
96 100

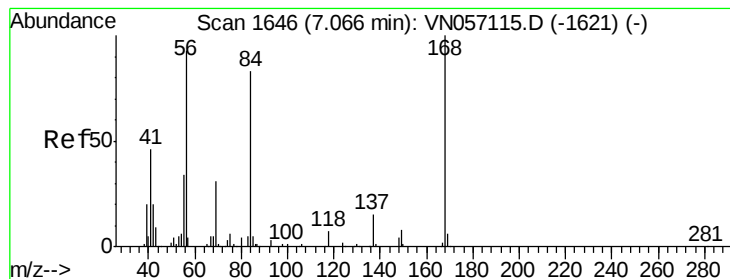
61 134.7 0.0 273.4

98 29.5 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#31

Cyclohexane

Concen: 1.057 ug/l

RT: 7.06 min Scan# 1643

Delta R.T. -0.01 min

Lab File: VN057161.D

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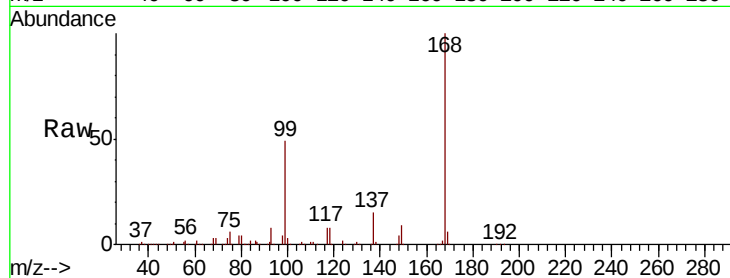
Tgt Ion: 56 Resp: 20720

Ion Ratio Lower Upper

56 100

69 176.9 26.9 40.3#

84 142.6 71.9 107.9#

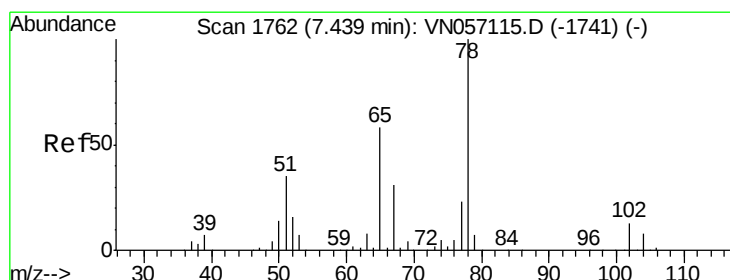
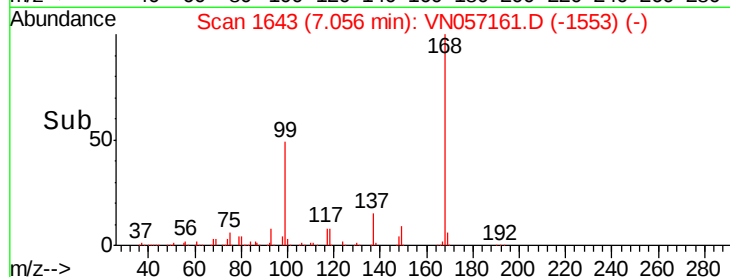
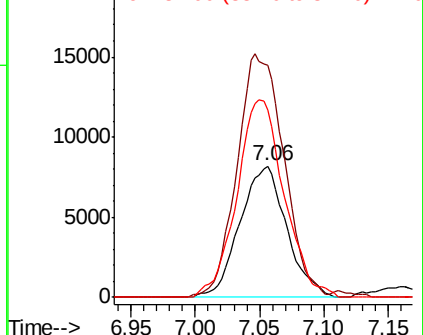


Abundance

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: 44.076 ug/l

RT: 7.44 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VN057161.D

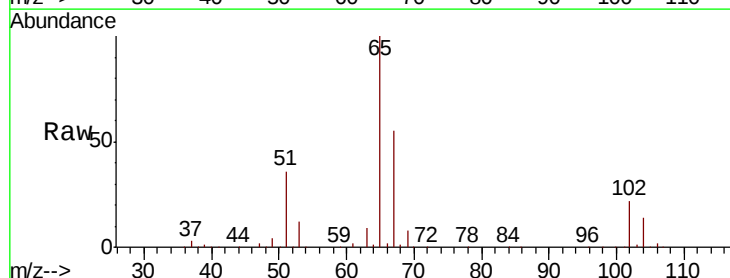
Acq: 9 Aug 2019 21:12

Tgt Ion: 65 Resp: 595442

Ion Ratio Lower Upper

65 100

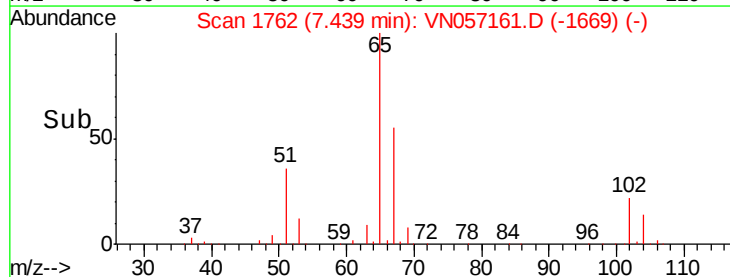
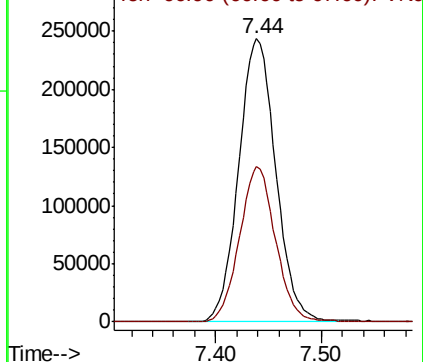
67 53.3 0.0 108.2

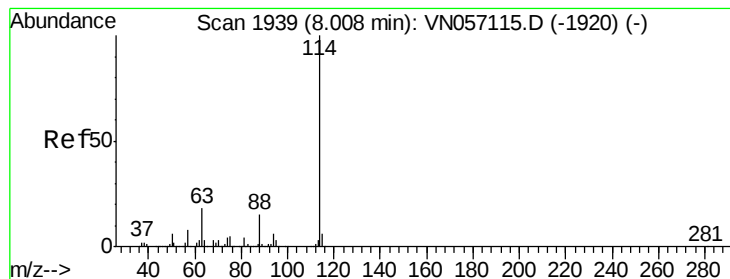


Abundance

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: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

MW-22D_080819

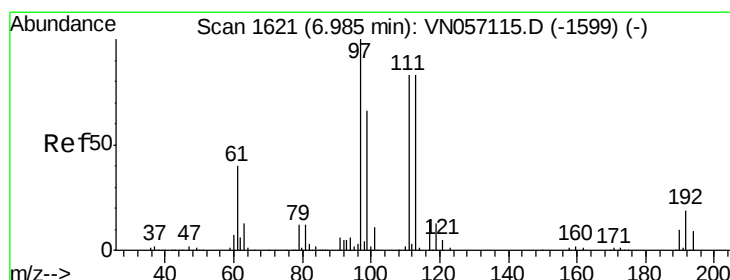
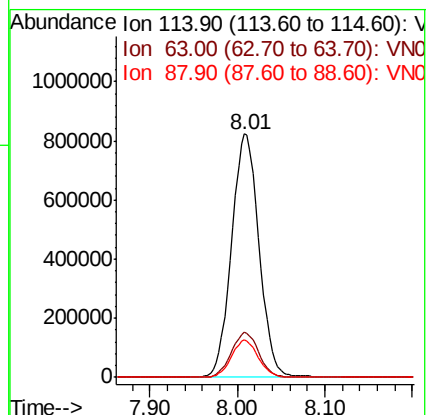
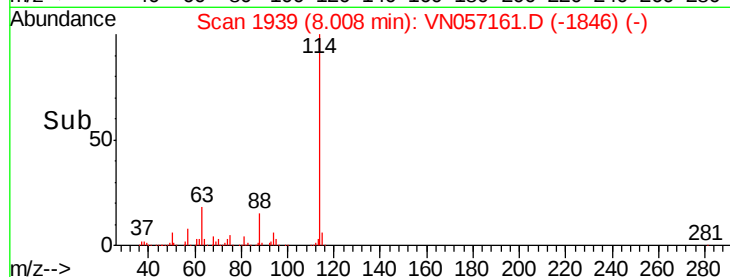
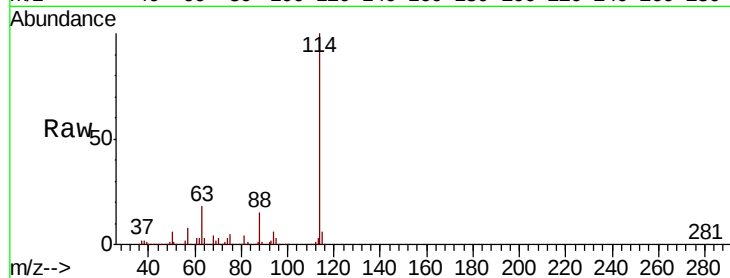
Tgt Ion:114 Resp: 1793735

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.2

88 15.2 0.0 30.0



#35

Dibromofluoromethane

Concen: 47.900 ug/l

RT: 6.99 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

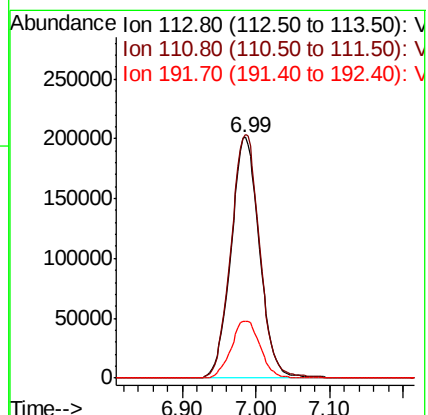
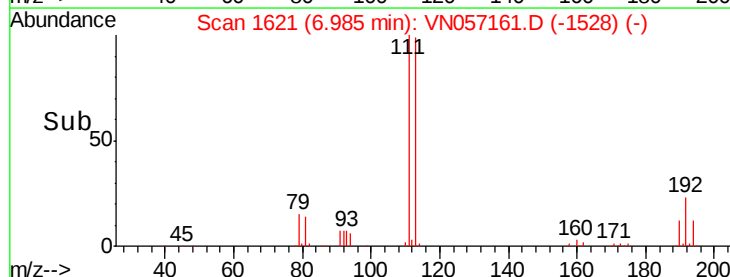
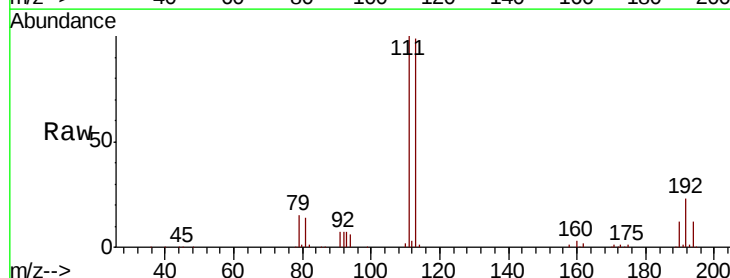
Tgt Ion:113 Resp: 539162

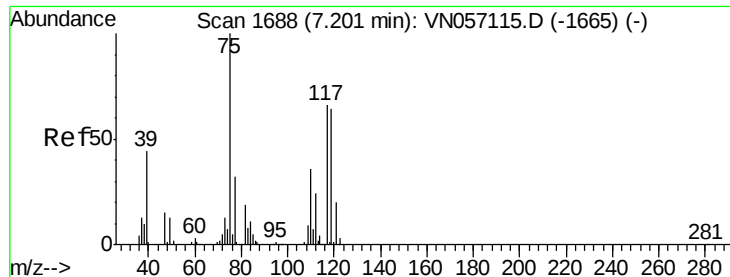
Ion Ratio Lower Upper

113 100

111 102.3 81.3 121.9

192 24.1 19.0 28.4

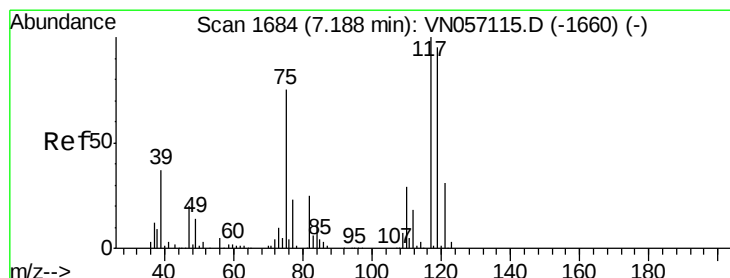
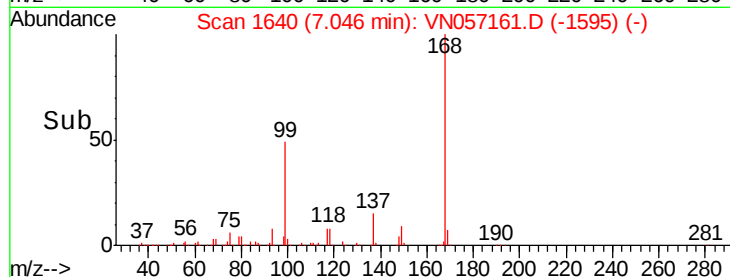
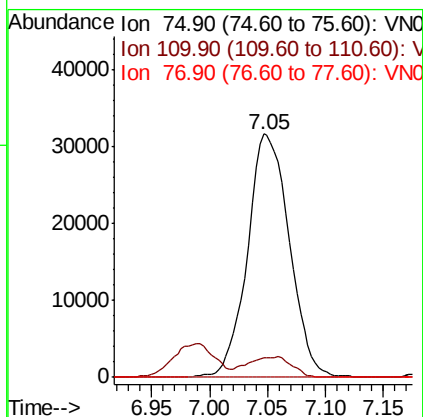
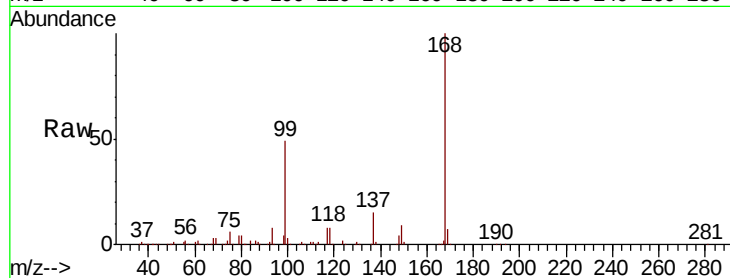




#36
 1,1-Dichloropropene
 Concen: 5.401 ug/l
 RT: 7.05 min Scan# 1640
 Delta R.T. -0.15 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

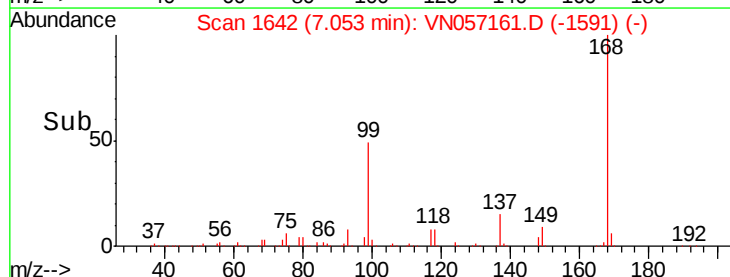
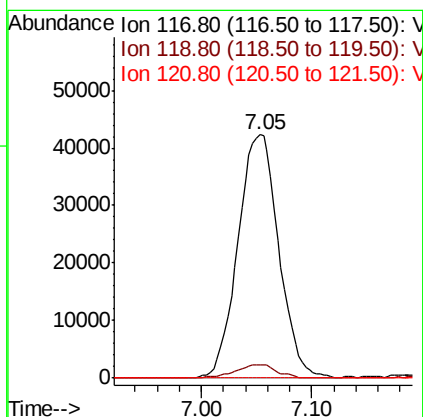
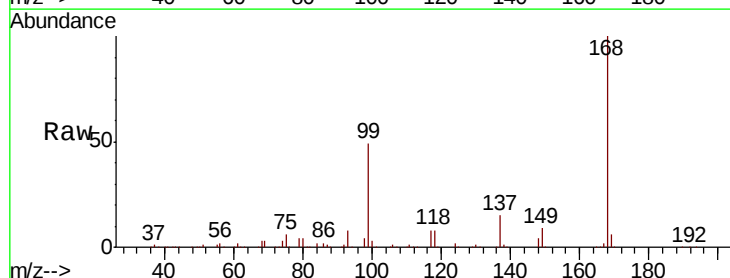
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22D_080819

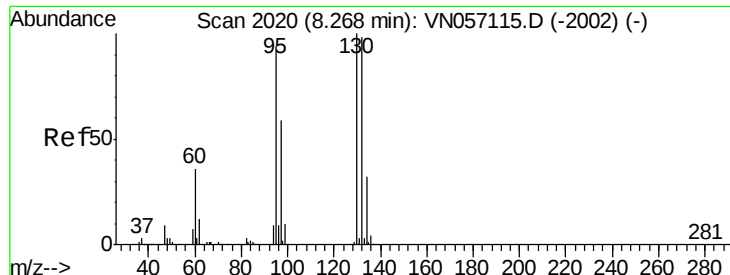
Tgt Ion: 75 Resp: 79768
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.7 56.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.047 ug/l
 RT: 7.05 min Scan# 1642
 Delta R.T. -0.14 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

Tgt Ion: 117 Resp: 108467
 Ion Ratio Lower Upper
 117 100
 119 5.6 75.8 113.6#
 121 0.0 24.4 36.6#





#44

Trichloroethene

Concen: 4.923 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

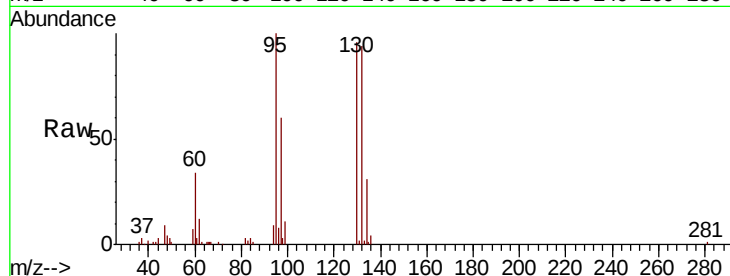
MW-22D_080819

Tgt Ion:130 Resp: 64480

Ion Ratio Lower Upper

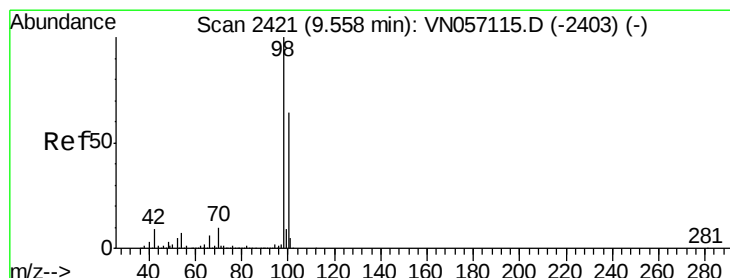
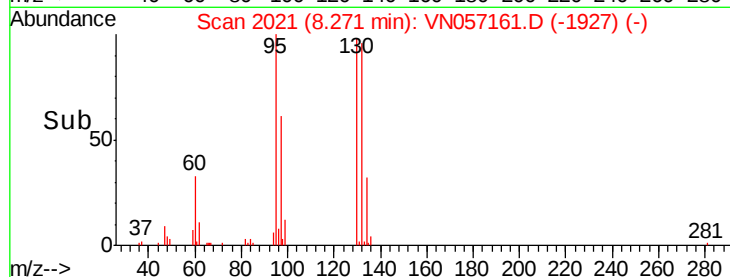
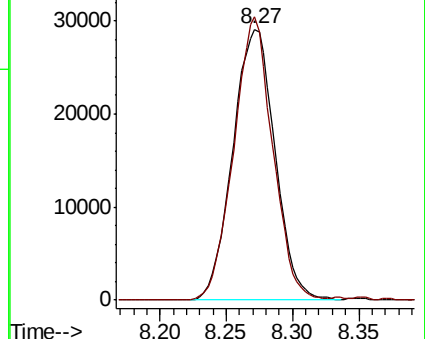
130 100

95 104.5 0.0 187.4



Abundance Ion 129.80 (129.50 to 130.50): VN057161.D (-2002) (-)

Ion 94.90 (94.60 to 95.60): VN057161.D (-2002) (-)



#50

Toluene-d8

Concen: 47.984 ug/l

RT: 9.56 min Scan# 2421

Delta R.T. -0.00 min

Lab File: VN057161.D

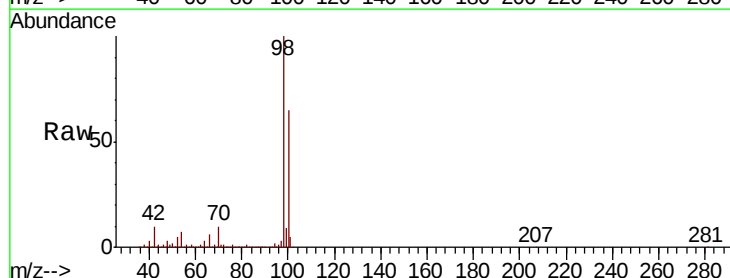
Acq: 9 Aug 2019 21:12

Tgt Ion: 98 Resp: 2066336

Ion Ratio Lower Upper

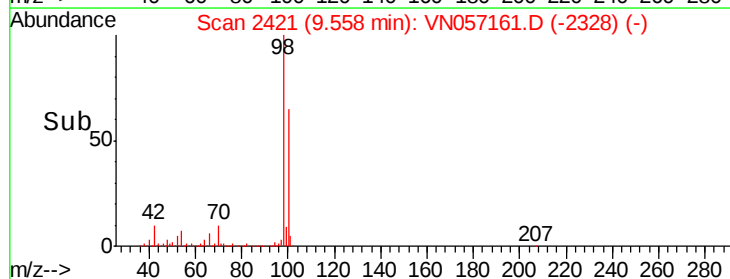
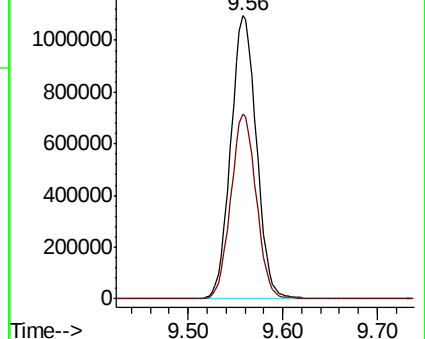
98 100

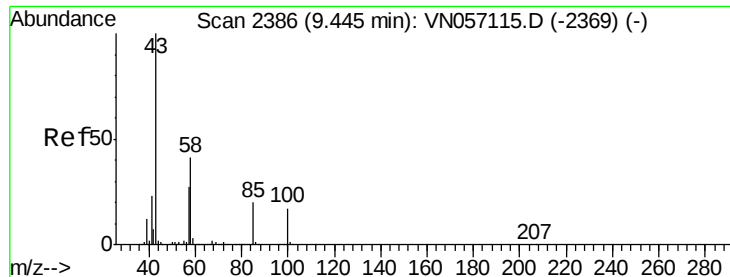
100 64.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN057161.D (-2403) (-)

Ion 100.00 (99.70 to 100.70): VN057161.D (-2403) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.350 ug/l

RT: 9.45 min Scan# 2387

Delta R.T. 0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

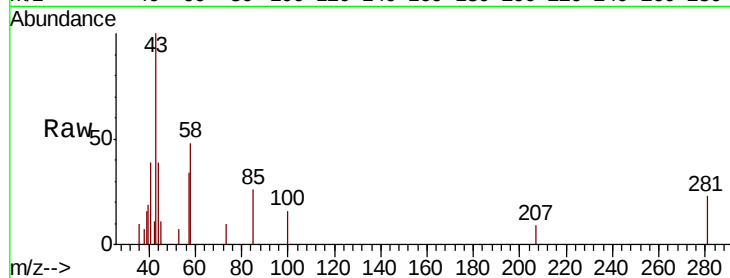
MW-22D_080819

Tgt Ion: 43 Resp: 4230

Ion Ratio Lower Upper

43 100

58 39.1 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

2500

2000

1500

1000

500

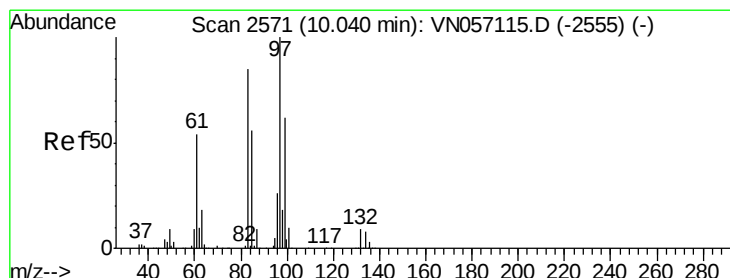
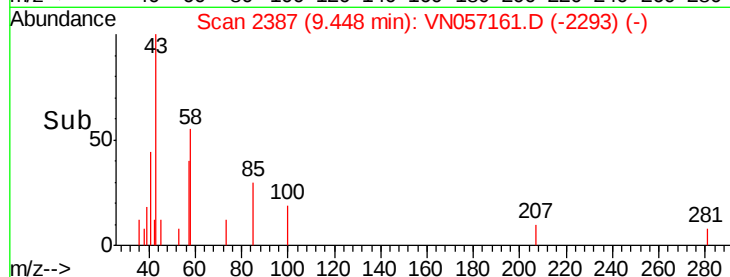
0

9.40

9.45

9.50

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.769 ug/l

RT: 10.11 min Scan# 2593

Delta R.T. 0.07 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Tgt Ion: 97 Resp: 8779

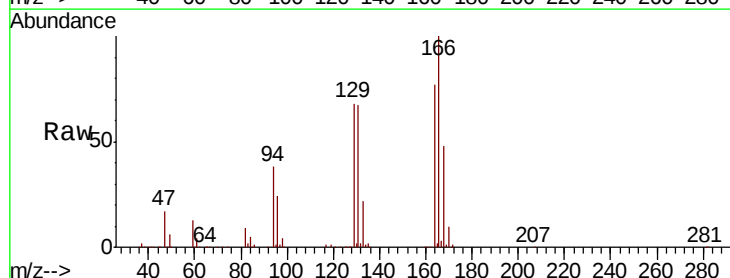
Ion Ratio Lower Upper

97 100

83 310.3 67.8 101.8#

85 41.1 44.4 66.6#

99 22.4 49.8 74.6#



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

20000

15000

10000

5000

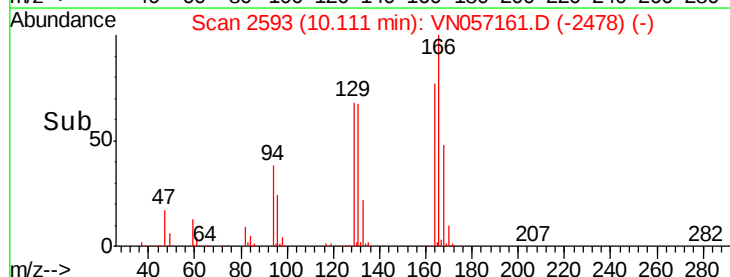
0

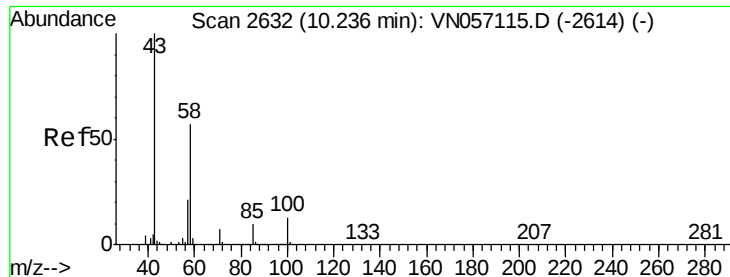
10.05

10.10

10.15

Time-->

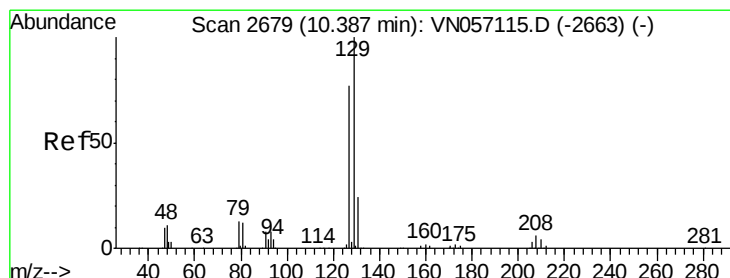
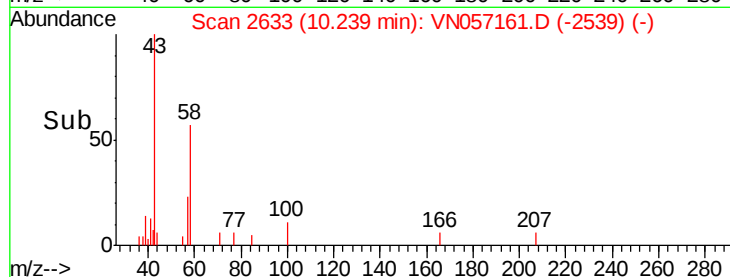
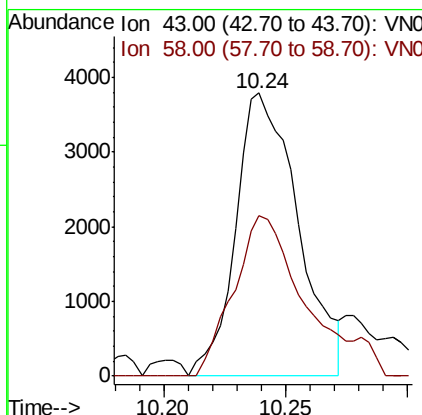
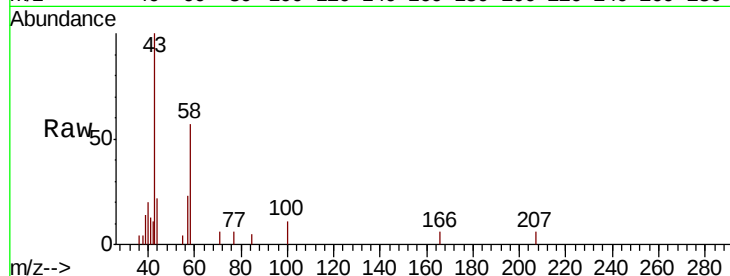




#59
2-Hexanone
Concen: 0.823 ug/l
RT: 10.24 min Scan# 2633
Delta R.T. 0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

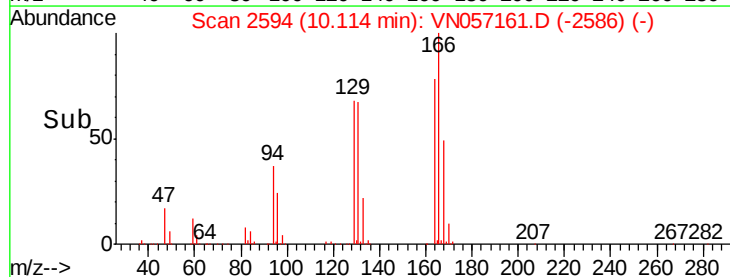
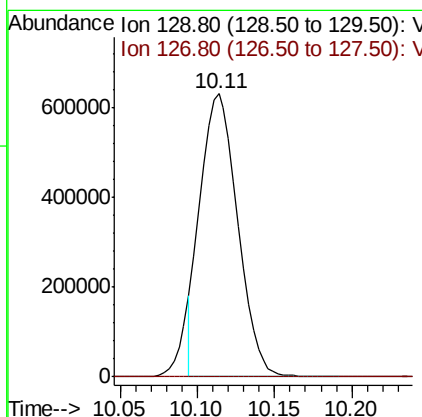
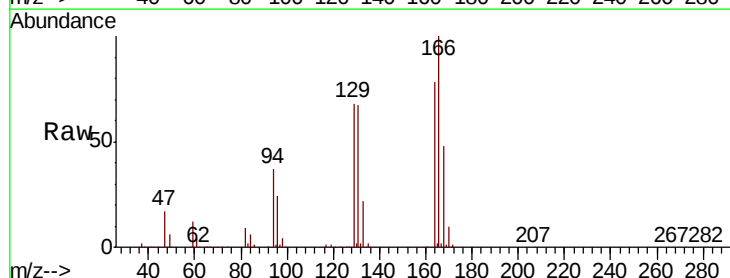
Instrument :
MSVOA_N
ClientSampleId :
MW-22D_080819

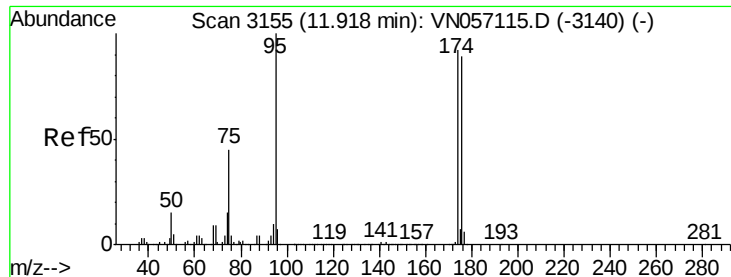
Tgt Ion: 43 Resp: 6735
Ion Ratio Lower Upper
43 100
58 66.0 29.2 87.6



#60
Dibromochloromethane
Concen: 88.176 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. -0.27 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

Tgt Ion: 129 Resp: 1056841
Ion Ratio Lower Upper
129 100
127 0.1 38.6 116.0#





#62

4-Bromofluorobenzene

Concen: 37.953 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

MW-22D_080819

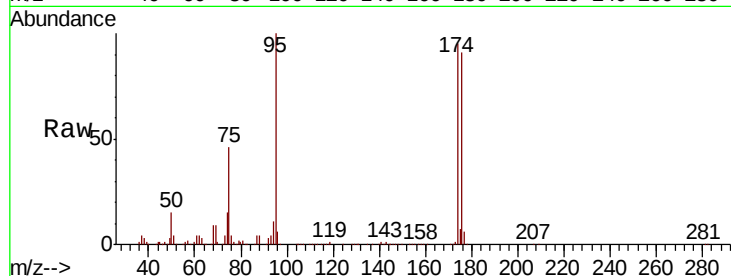
Tgt Ion: 95 Resp: 526613

Ion Ratio Lower Upper

95 100

174 95.0 0.0 185.0

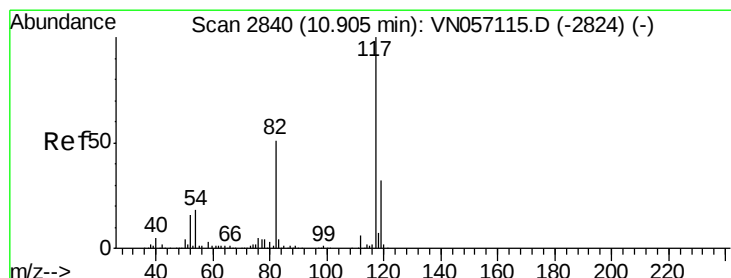
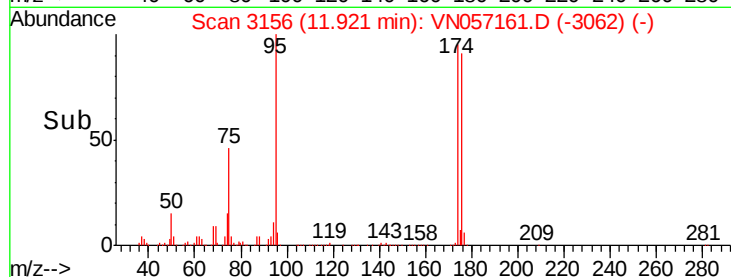
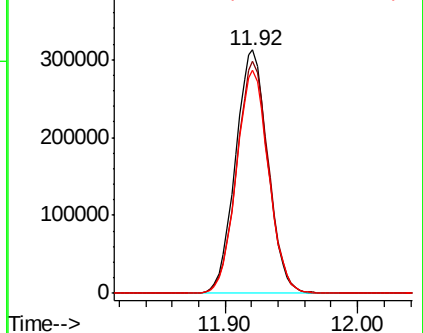
176 91.4 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VN057115.D (-3140) (-)

Ion 173.80 (173.50 to 174.50): VN057115.D (-3140) (-)

Ion 175.80 (175.50 to 176.50): VN057115.D (-3140) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.91 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

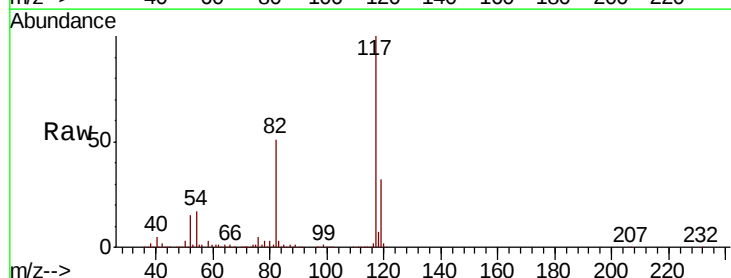
Tgt Ion: 117 Resp: 1457972

Ion Ratio Lower Upper

117 100

82 51.0 40.8 61.2

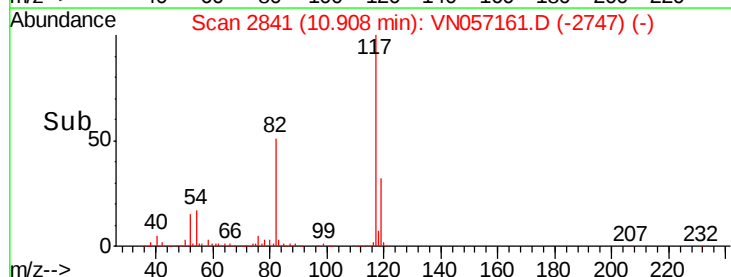
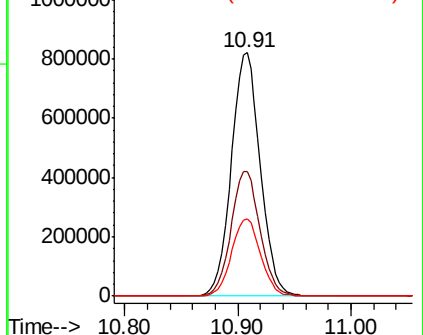
119 31.9 25.7 38.5

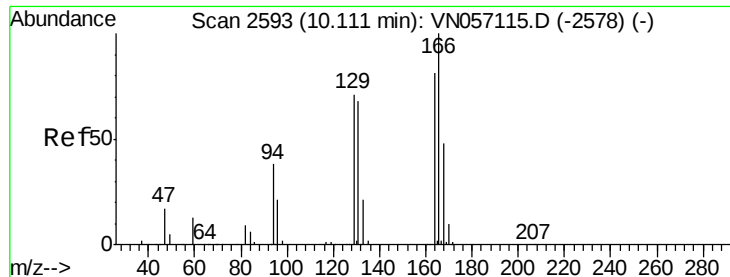


Abundance Ion 116.90 (116.60 to 117.60): VN057115.D (-2824) (-)

Ion 82.00 (81.70 to 82.70): VN057115.D (-2824) (-)

Ion 118.90 (118.60 to 119.60): VN057115.D (-2824) (-)





#64

Tetrachloroethene

Concen: 107.042 ug/l

RT: 10.11 min Scan# 2594

Delta R.T. 0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

MW-22D_080819

Tgt Ion:164 Resp: 1297901

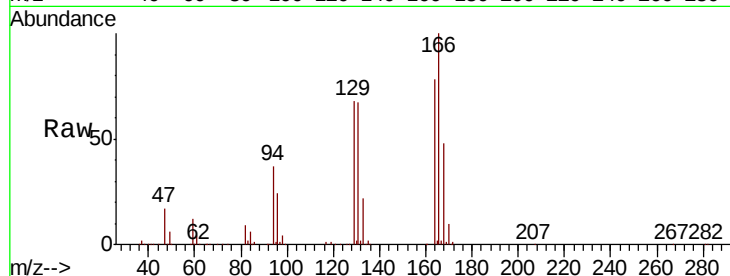
Ion Ratio Lower Upper

164 100

166 128.4 98.3 147.5

129 87.5 69.8 104.6

131 85.9 66.8 100.2

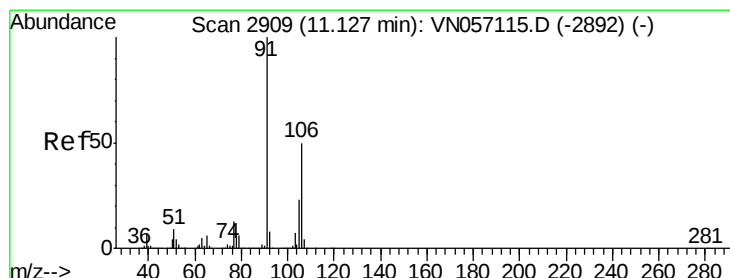
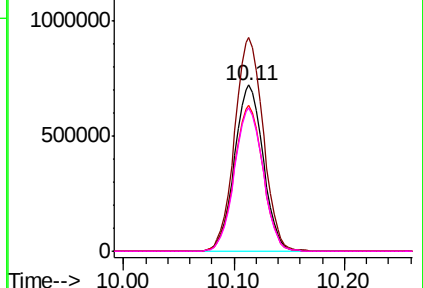
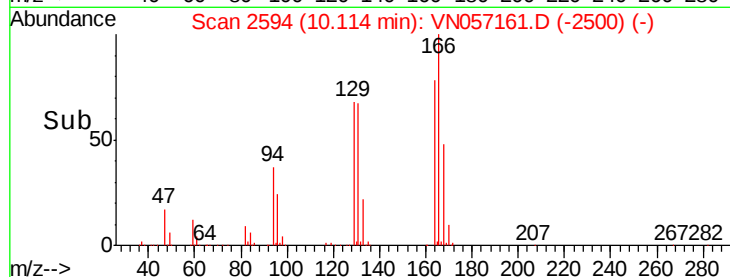


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#68

m/p-Xylenes

Concen: 0.321 ug/l

RT: 11.12 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VN057161.D

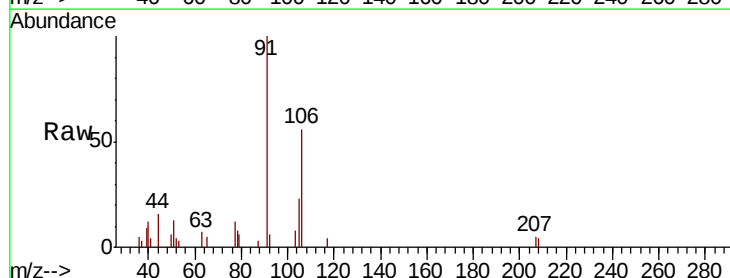
Acq: 9 Aug 2019 21:12

Tgt Ion:106 Resp: 5977

Ion Ratio Lower Upper

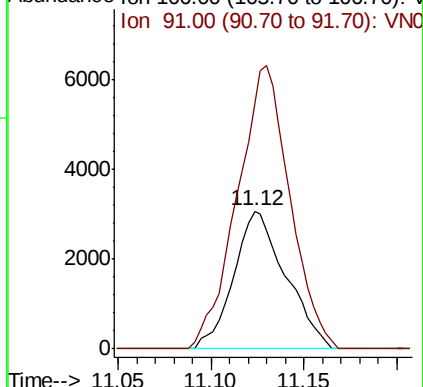
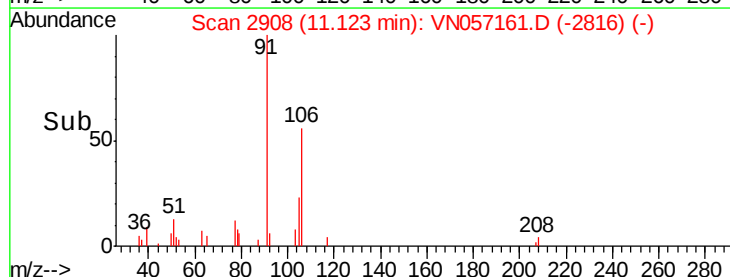
106 100

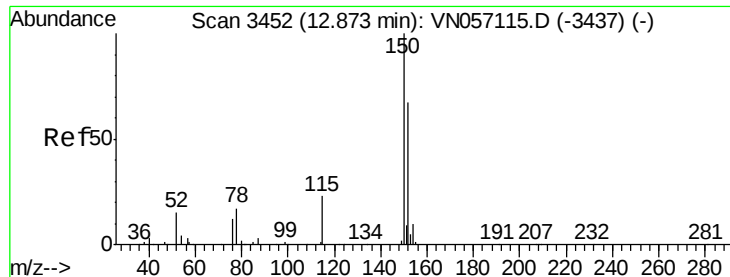
91 208.2 159.8 239.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): 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: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

MW-22D_080819

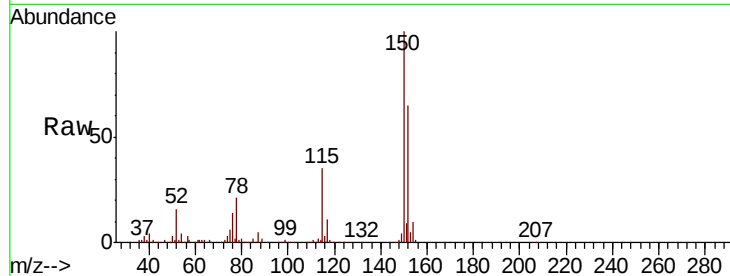
Tgt Ion:152 Resp: 345192

Ion Ratio Lower Upper

152 100

115 54.3 27.5 82.5

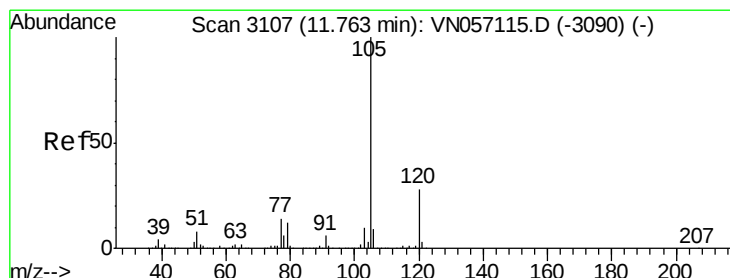
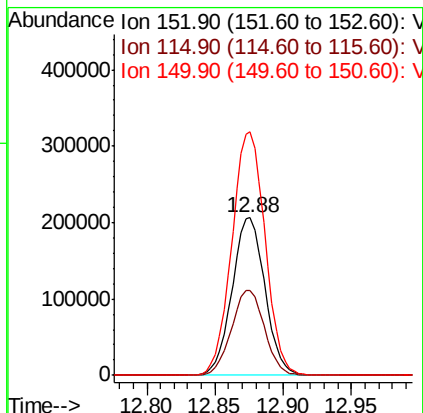
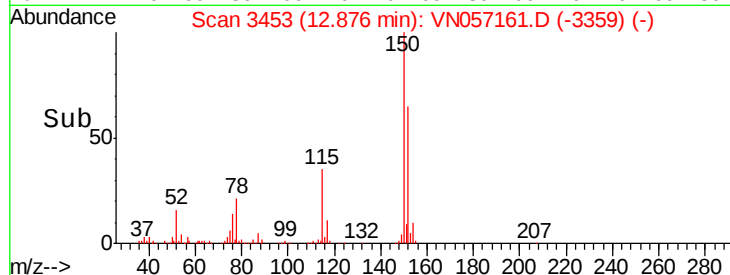
150 155.6 0.0 341.6



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# 3107

Delta R.T. 0.00 min

Lab File: VN057161.D

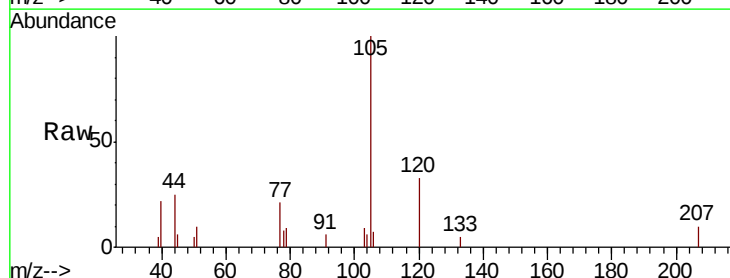
Acq: 9 Aug 2019 21:12

Tgt Ion:105 Resp: 6430

Ion Ratio Lower Upper

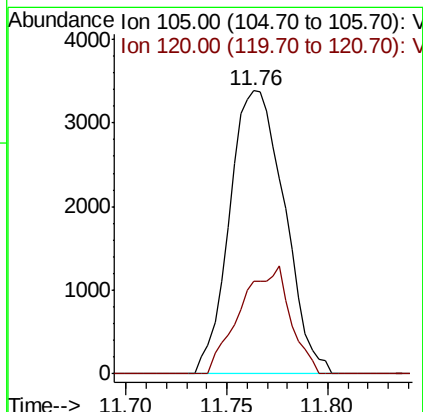
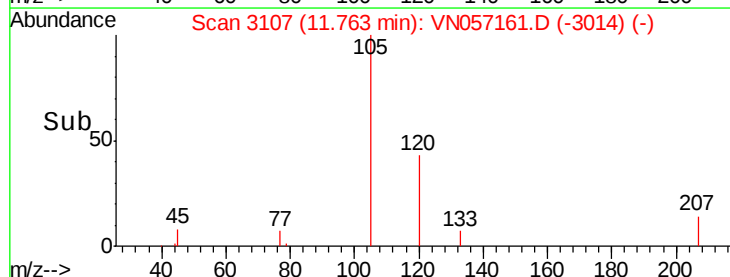
105 100

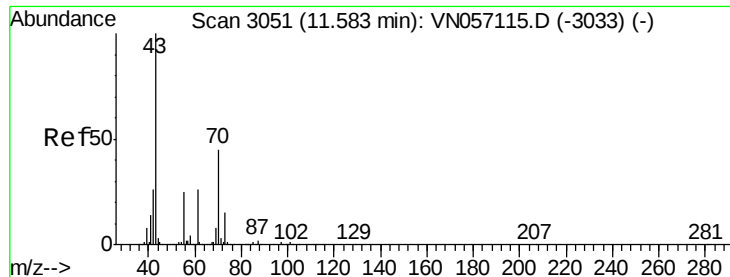
120 34.6 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 0.441 ug/l

RT: 11.59 min Scan# 3053

Delta R.T. 0.01 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

MW-22D_080819

Tgt Ion: 43 Resp: 3856

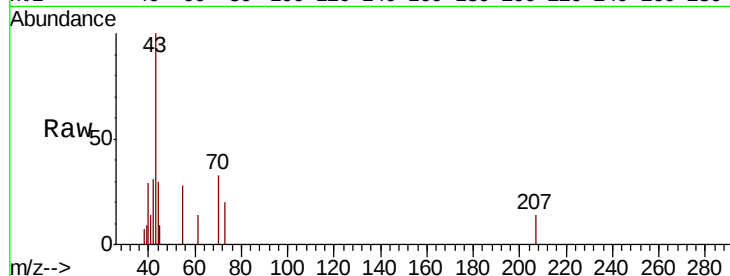
Ion Ratio Lower Upper

43 100

70 27.9 36.8 55.2#

55 33.8 20.6 31.0#

61 25.1 21.0 31.4

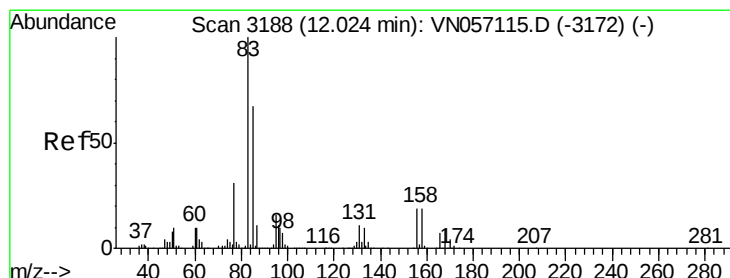
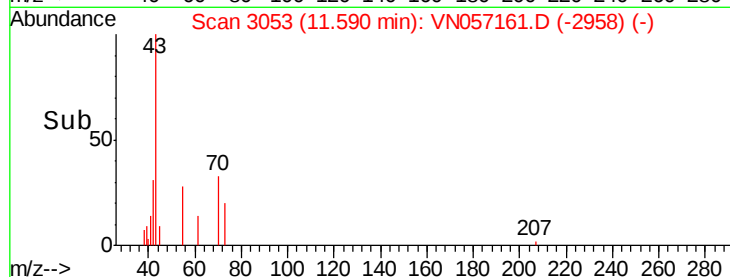
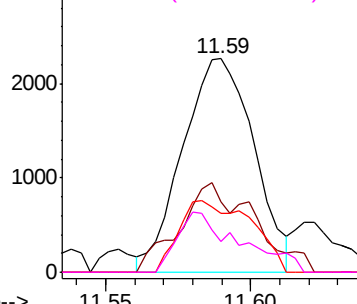


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.03 min Scan# 3190

Delta R.T. 0.01 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

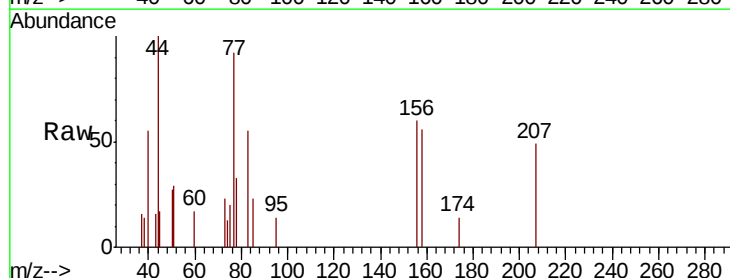
Tgt Ion: 83 Resp: 1122

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

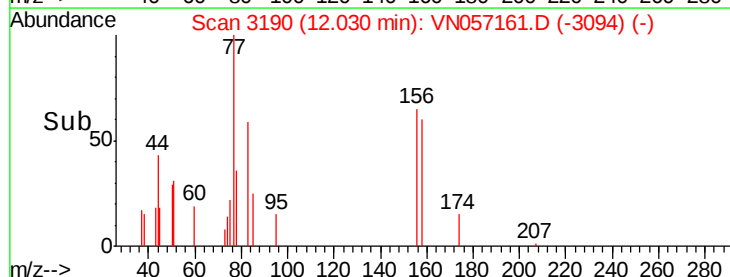
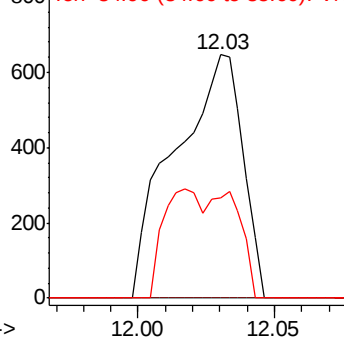
85 25.9 32.4 97.0#

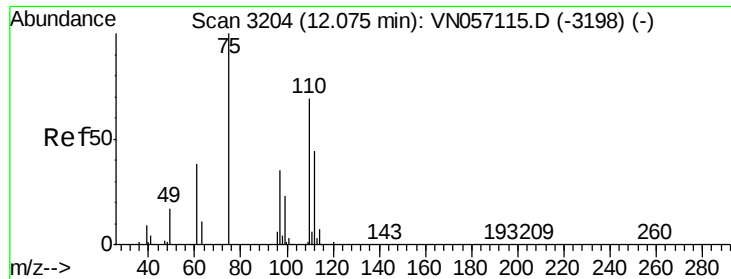


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

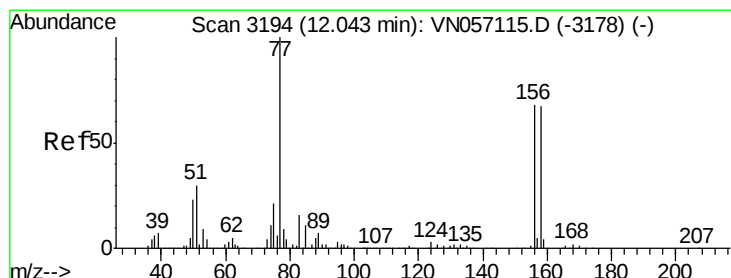
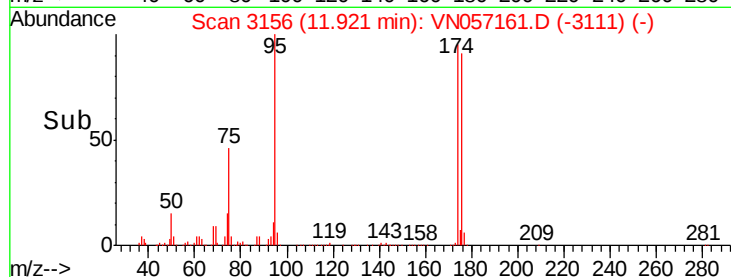
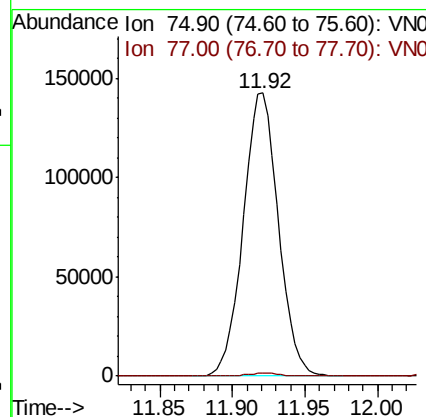
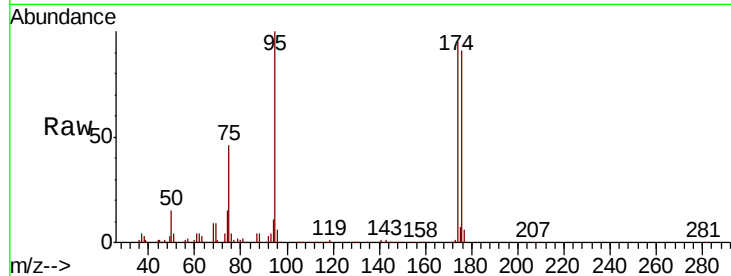




#76
 1,2,3-Trichloropropane
 Concen: 34.779 ug/l
 RT: 11.92 min Scan# 3156
 Delta R.T. -0.15 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

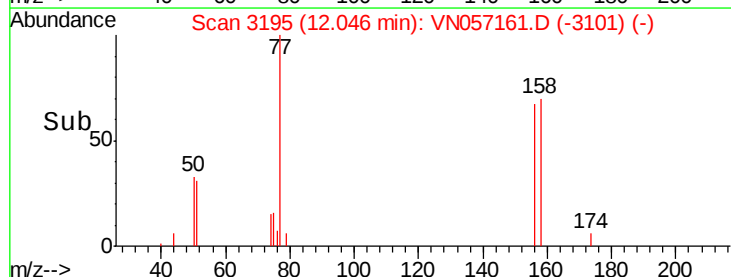
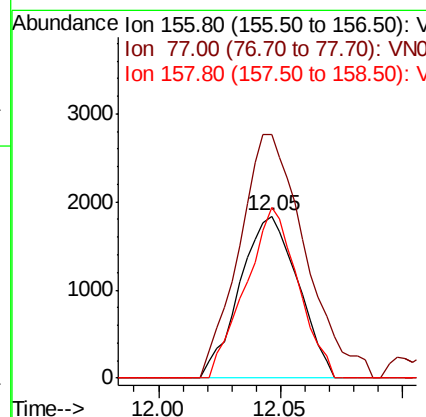
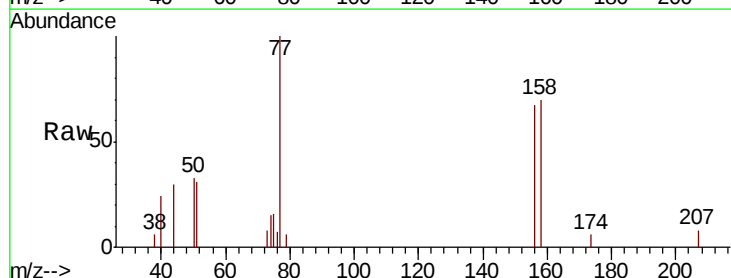
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22D_080819

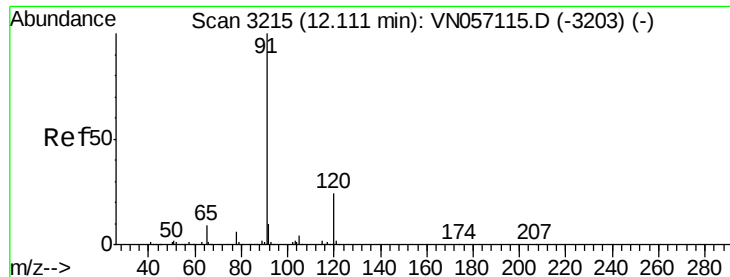
Tgt Ion: 75 Resp: 240400
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#77
 Bromobenzene
 Concen: 0.366 ug/l
 RT: 12.05 min Scan# 3195
 Delta R.T. 0.00 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

Tgt Ion: 156 Resp: 3039
 Ion Ratio Lower Upper
 156 100
 77 170.4 88.7 266.1
 158 94.9 49.3 147.8





#78

n-propylbenzene

Concen: 0.307 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

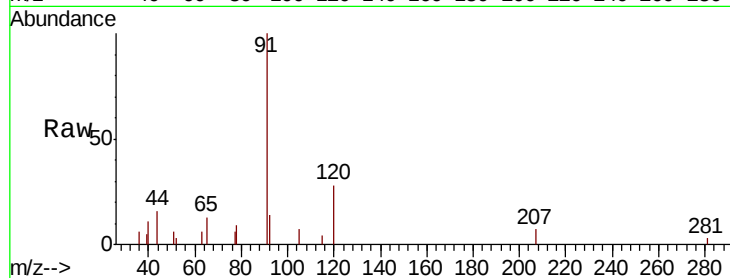
MW-22D_080819

Tgt Ion: 91 Resp: 10163

Ion Ratio Lower Upper

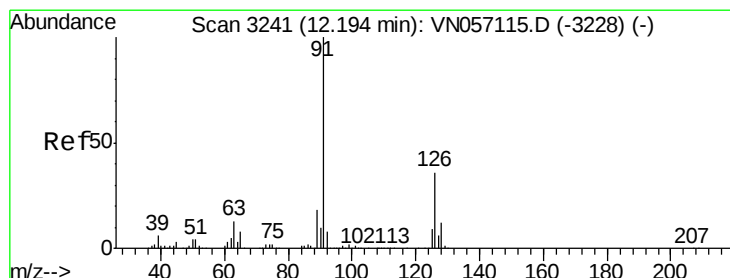
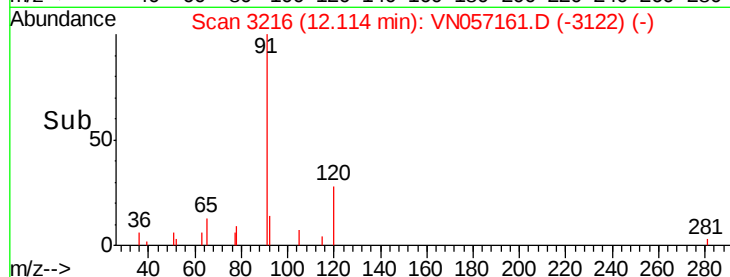
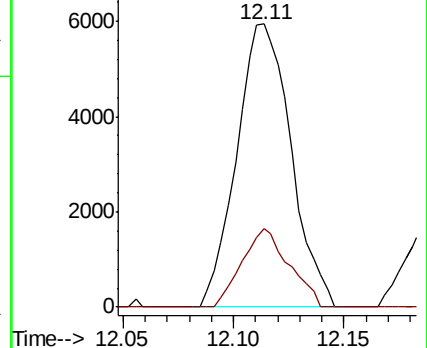
91 100

120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057161.D

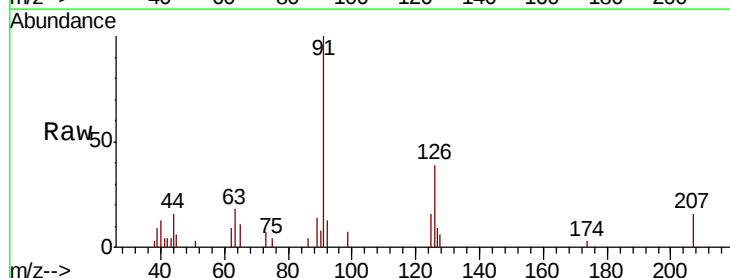
Acq: 9 Aug 2019 21:12

Tgt Ion: 91 Resp: 7518

Ion Ratio Lower Upper

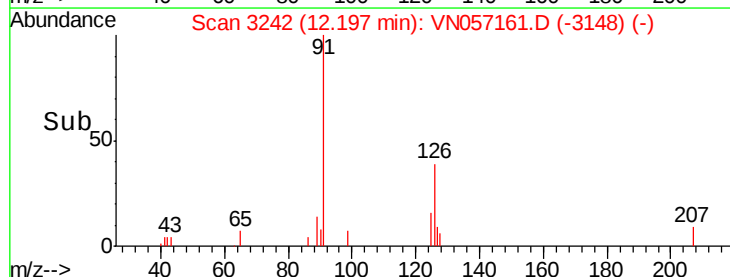
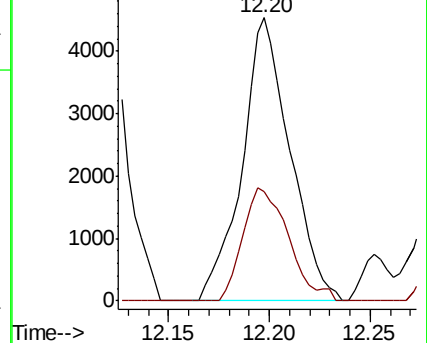
91 100

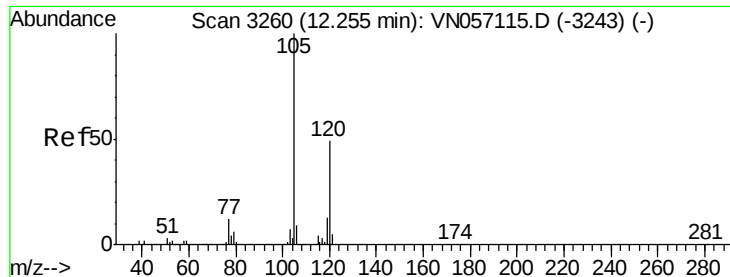
126 38.3 18.1 54.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.266 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

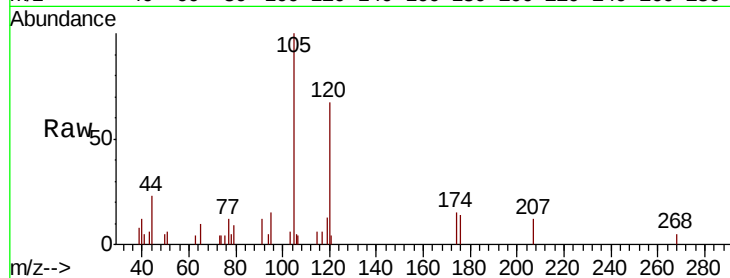
MW-22D_080819

Tgt Ion: 105 Resp: 7096

Ion Ratio Lower Upper

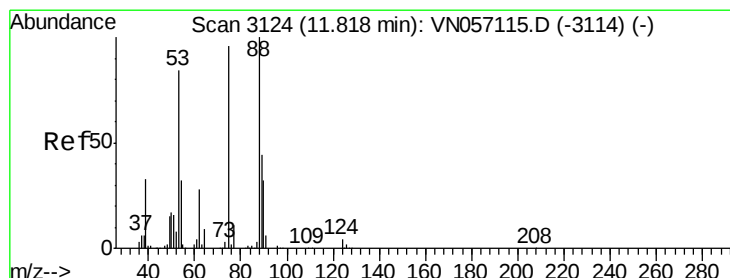
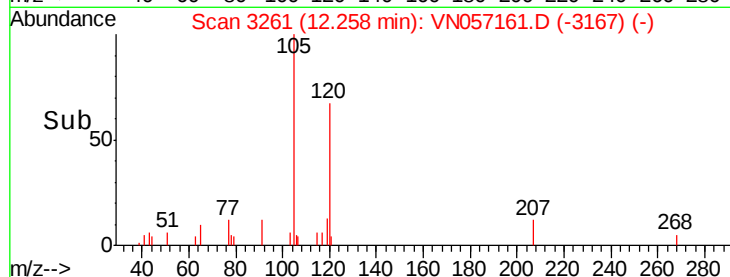
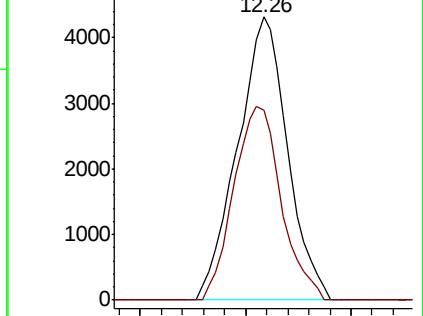
105 100

120 64.8 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 102.399 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.10 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

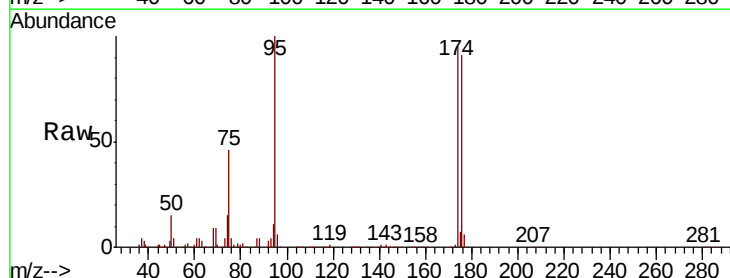
Tgt Ion: 75 Resp: 240400

Ion Ratio Lower Upper

75 100

53 0.0 70.6 106.0#

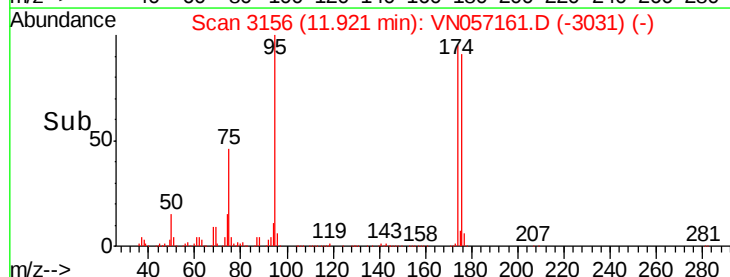
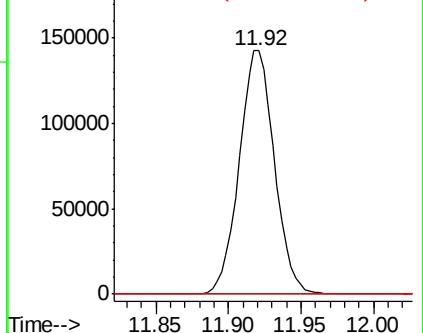
89 0.0 36.4 54.6#

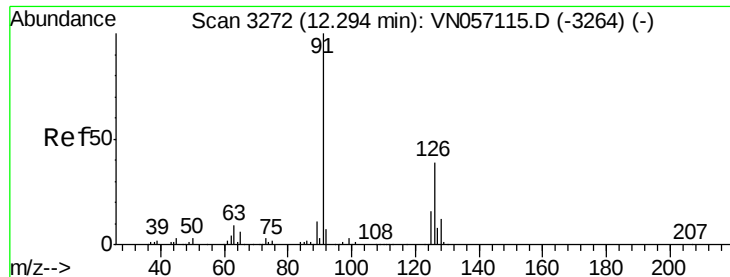


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.511 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

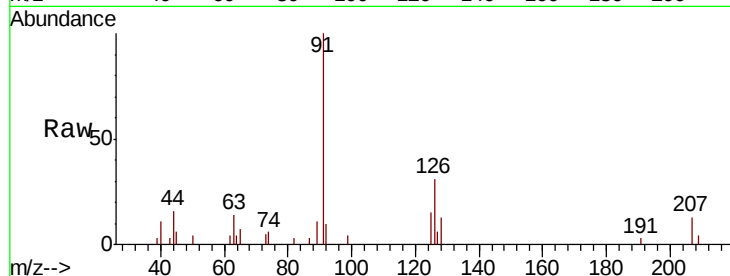
MW-22D_080819

Tgt Ion: 91 Resp: 9791

Ion Ratio Lower Upper

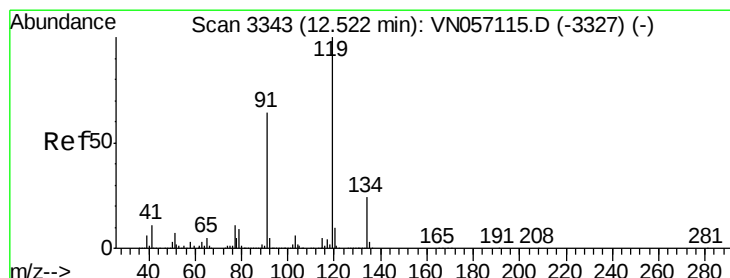
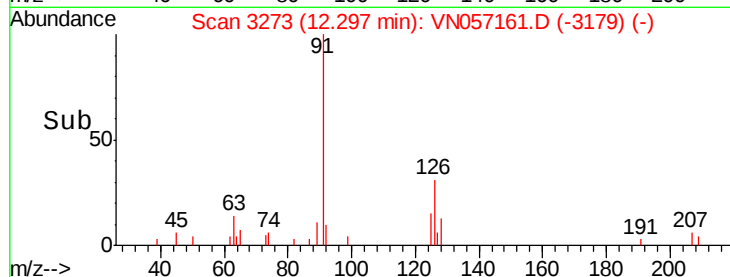
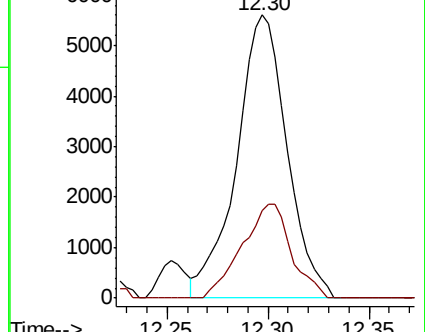
91 100

126 32.4 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN057115.D (-3264) (-)

Ion 125.90 (125.60 to 126.60): VN057115.D (-3264) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

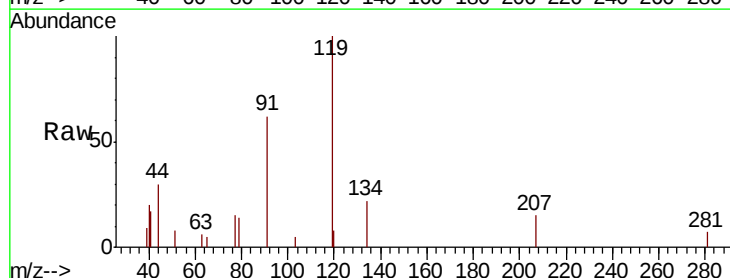
Tgt Ion: 119 Resp: 6056

Ion Ratio Lower Upper

119 100

91 57.7 31.4 94.2

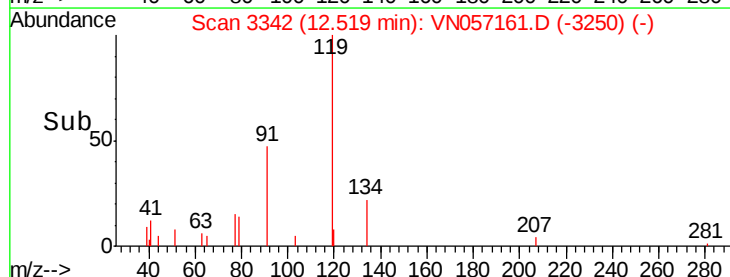
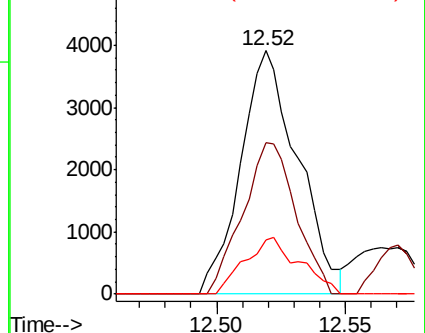
134 22.3 13.2 39.6

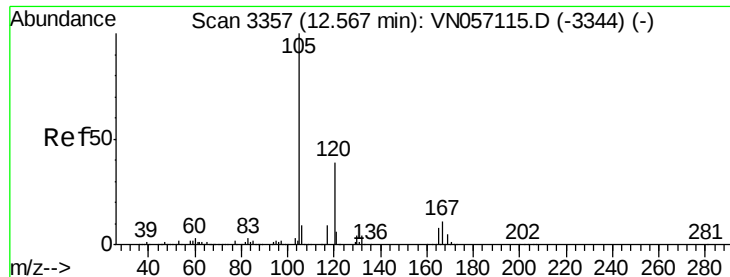


Abundance Ion 119.00 (118.70 to 119.70): VN057115.D (-3327) (-)

Ion 91.00 (90.70 to 91.70): VN057115.D (-3327) (-)

Ion 134.00 (133.70 to 134.70): VN057115.D (-3327) (-)





#84

1,2,4-Trimethylbenzene

Concen: 0.376 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

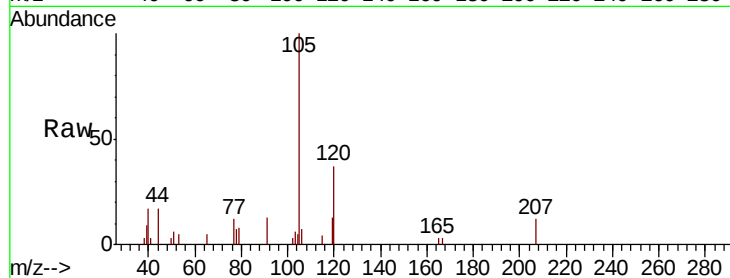
MW-22D_080819

Tgt Ion:105 Resp: 9698

Ion Ratio Lower Upper

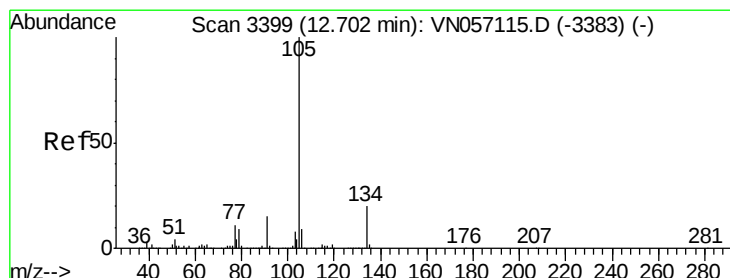
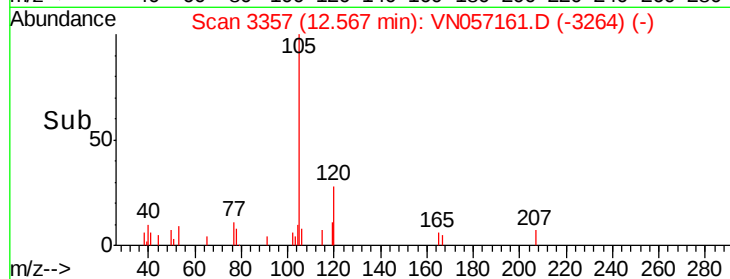
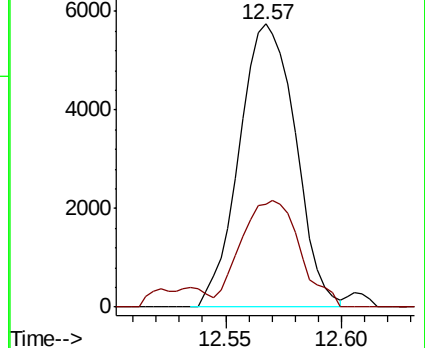
105 100

120 39.3 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.318 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057161.D

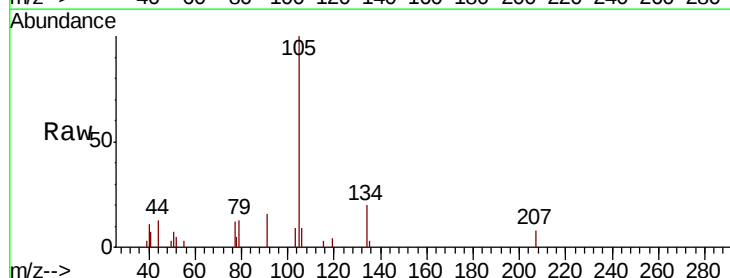
Acq: 9 Aug 2019 21:12

Tgt Ion:105 Resp: 9567

Ion Ratio Lower Upper

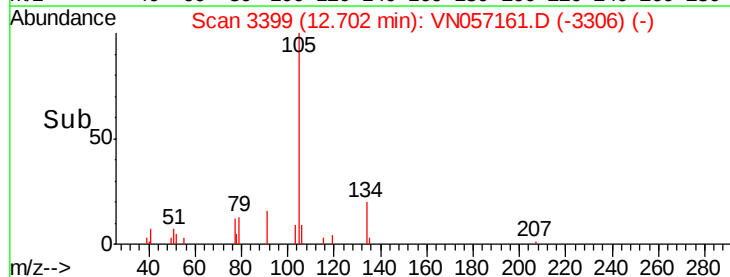
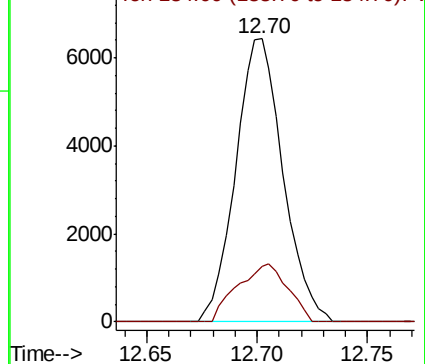
105 100

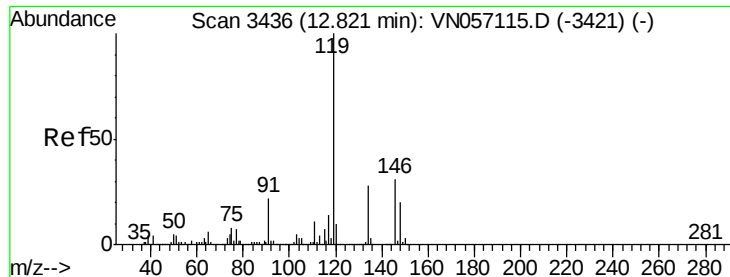
134 21.7 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

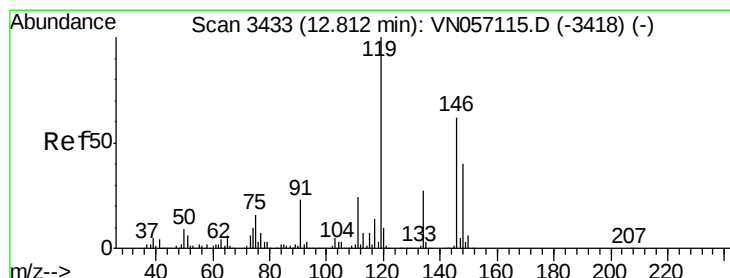
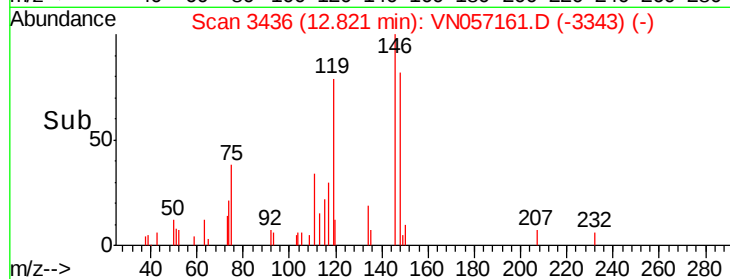
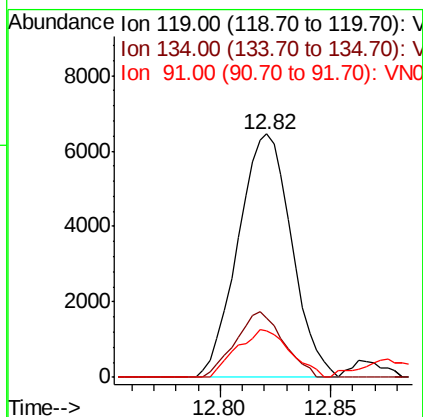
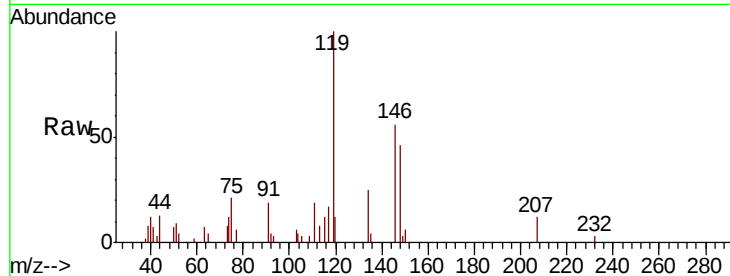




#86
p-Isopropyltoluene
Concen: 0.410 ug/l
RT: 12.82 min Scan# 3436
Delta R.T. -0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

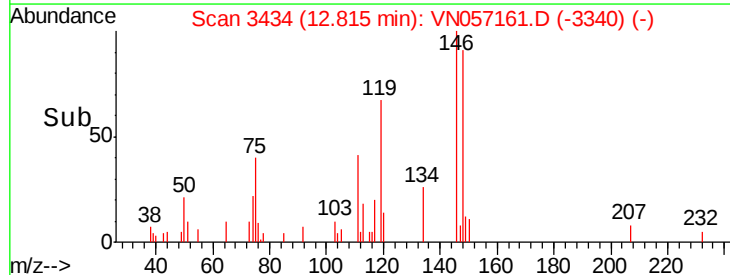
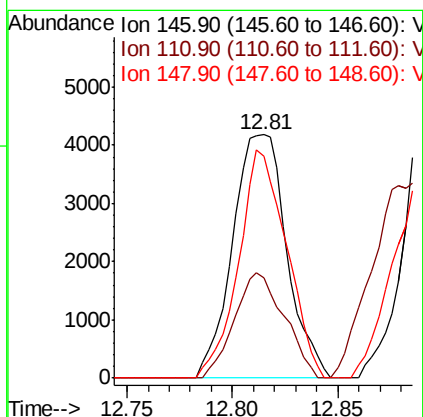
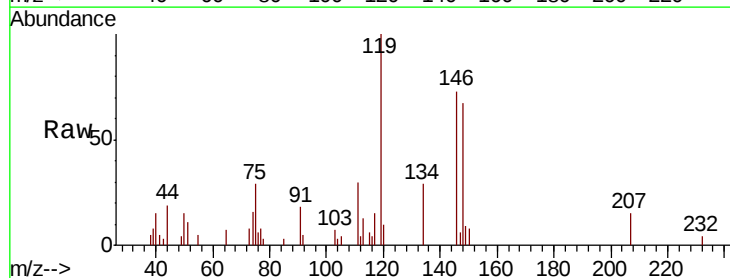
Instrument :
MSVOA_N
ClientSampleId :
MW-22D_080819

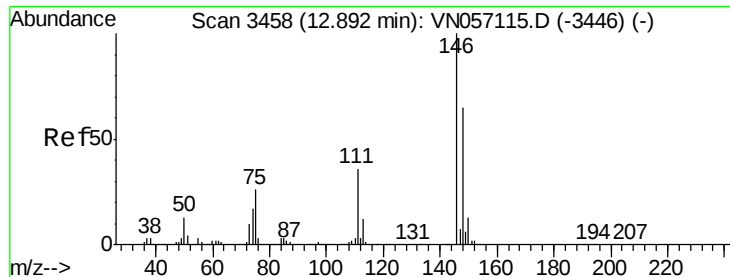
Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.1	13.8	41.3
91	19.4	11.0	33.0



#87
1,3-Dichlorobenzene
Concen: 0.631 ug/l
RT: 12.81 min Scan# 3434
Delta R.T. 0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.8	56.4
148	82.9	32.4	97.0





#88

1,4-Dichlorobenzene

Concen: 0.666 ug/l

RT: 12.81 min Scan# 3434

Delta R.T. -0.08 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

MW-22D_080819

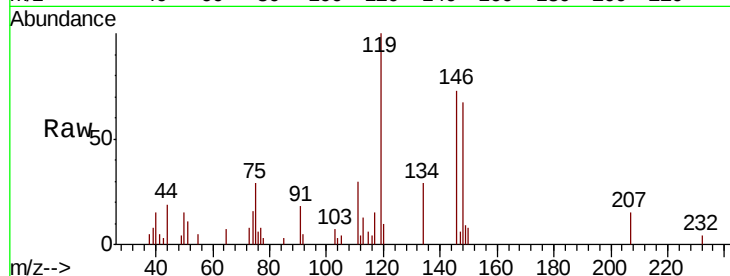
Tgt Ion:146 Resp: 7455

Ion Ratio Lower Upper

146 100

111 39.6 18.2 54.6

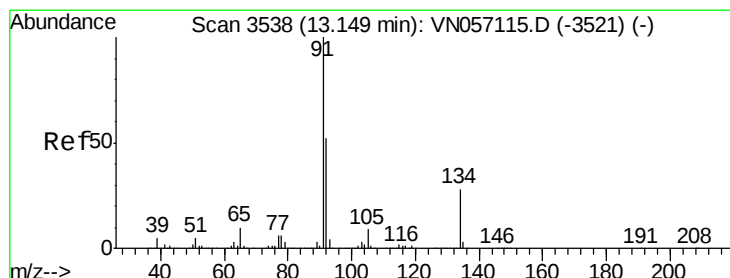
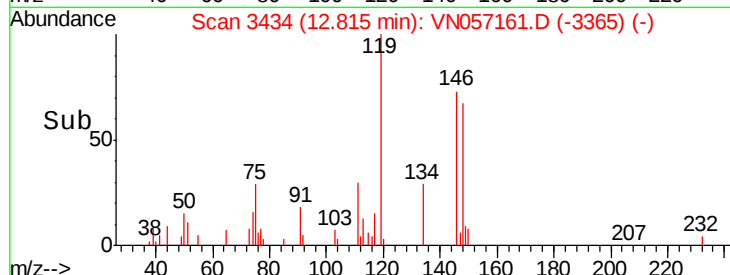
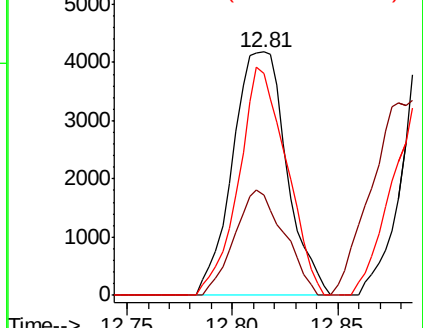
148 82.9 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.665 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

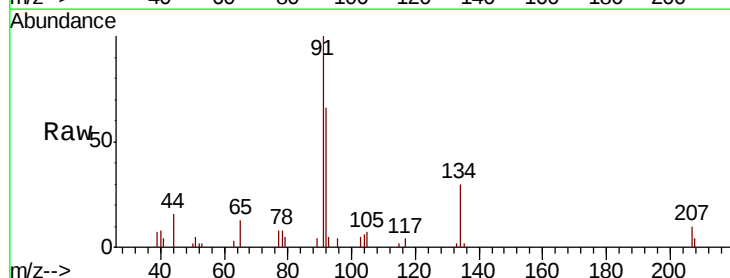
Tgt Ion: 91 Resp: 12121

Ion Ratio Lower Upper

91 100

92 60.7 26.5 79.4

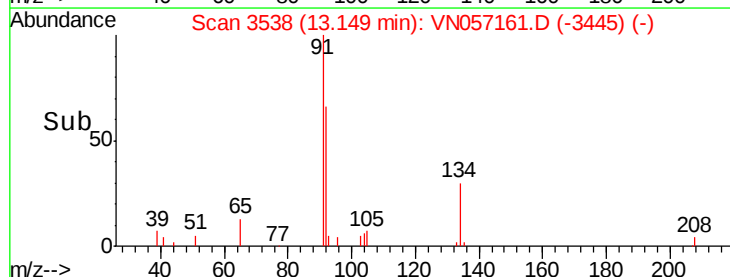
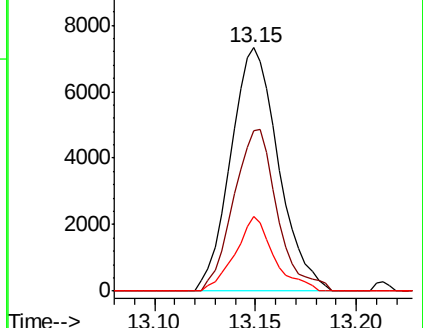
134 24.9 14.1 42.3

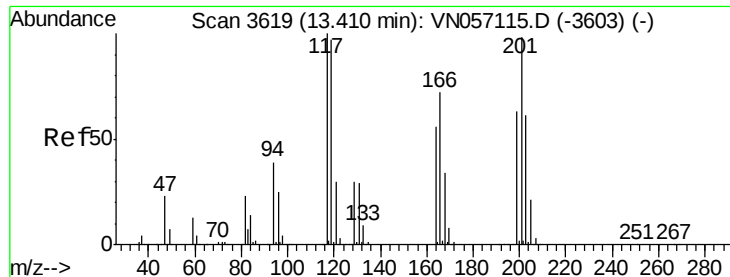


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.40 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

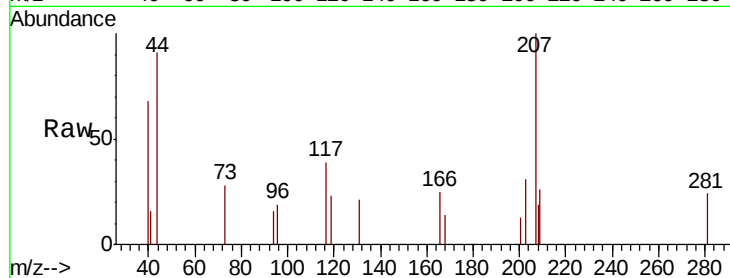
MW-22D_080819

Tgt Ion:117 Resp: 673

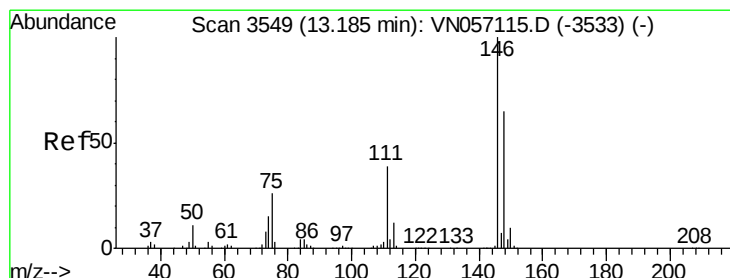
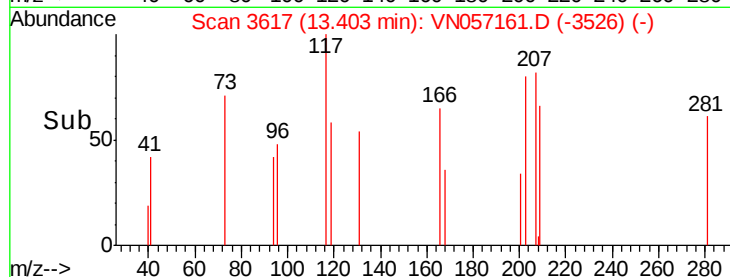
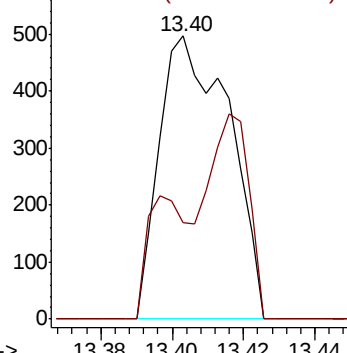
Ion Ratio Lower Upper

117 100

201 27.0 49.3 147.8#



Abundance Ion 116.80 (116.50 to 117.50): V



#91

1,2-Dichlorobenzene

Concen: 0.901 ug/l

RT: 13.19 min Scan# 3550

Delta R.T. 0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

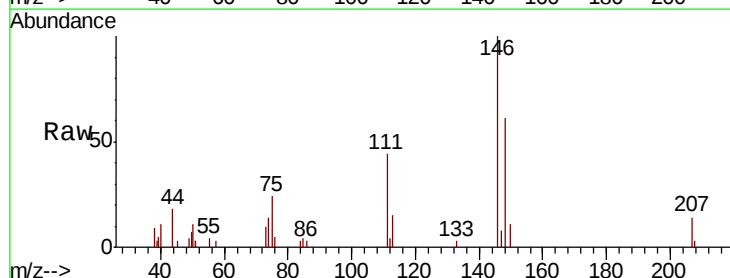
Tgt Ion:146 Resp: 10629

Ion Ratio Lower Upper

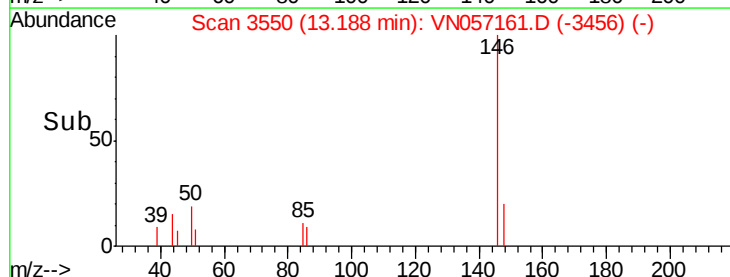
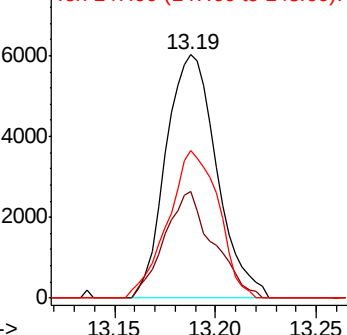
146 100

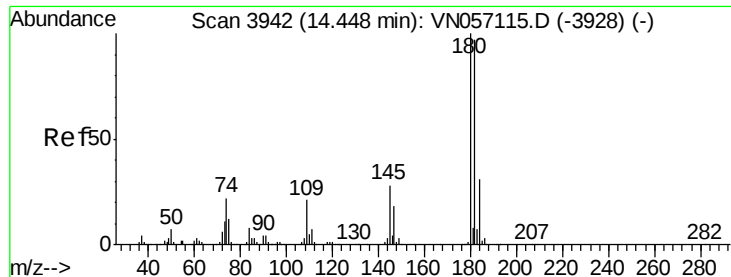
111 42.1 19.2 57.6

148 60.4 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

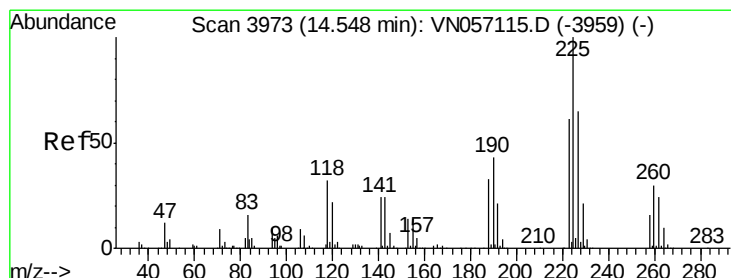
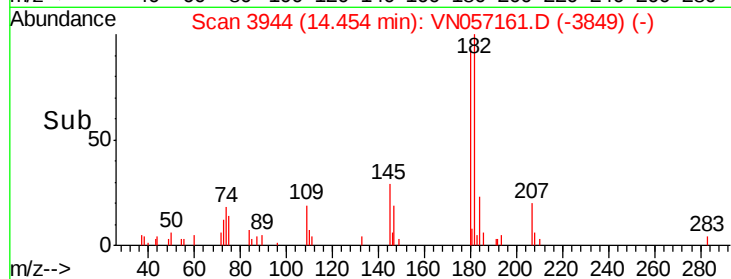
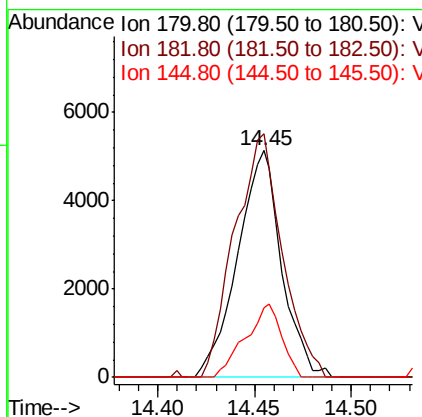
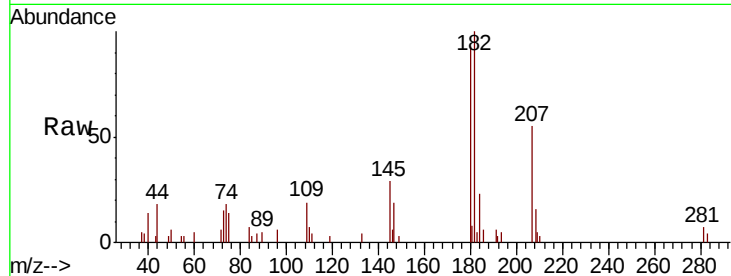




#93
 1,2,4-Trichlorobenzene
 Concen: 7.362 ug/l
 RT: 14.45 min Scan# 3944
 Delta R.T. 0.01 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

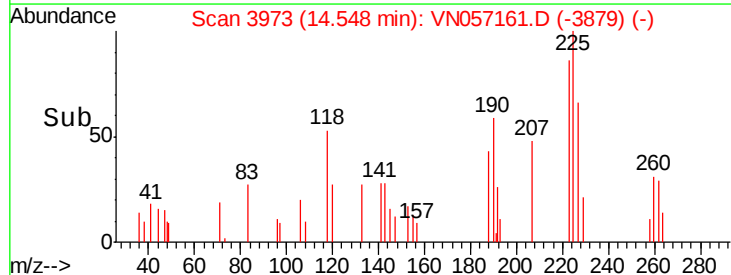
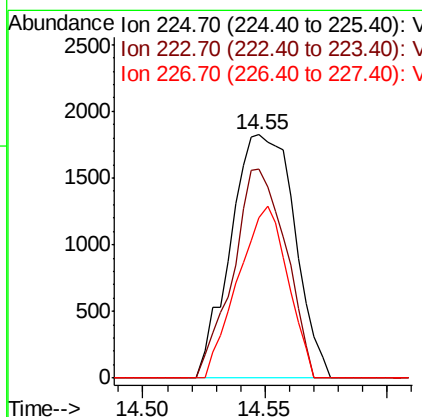
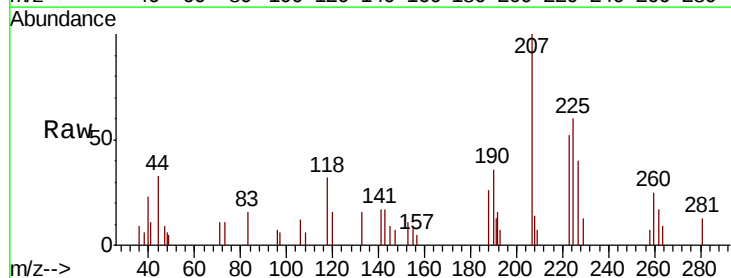
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22D_080819

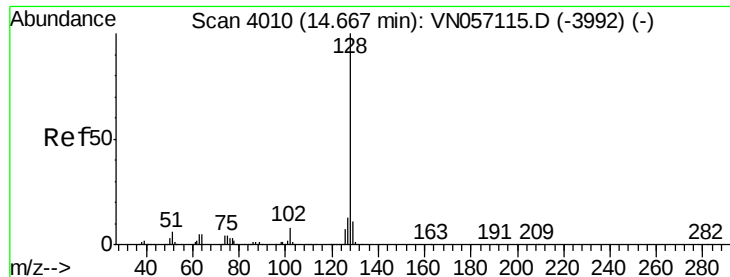
Tgt Ion:180 Resp: 8129
 Ion Ratio Lower Upper
 180 100
 182 116.0 47.5 142.6
 145 26.6 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

Tgt Ion:225 Resp: 3315
 Ion Ratio Lower Upper
 225 100
 223 71.0 30.9 92.8
 227 55.2 32.4 97.0

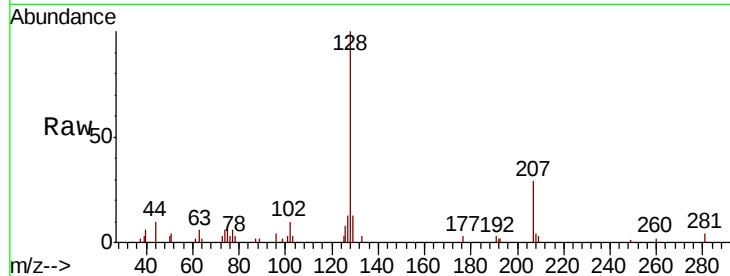




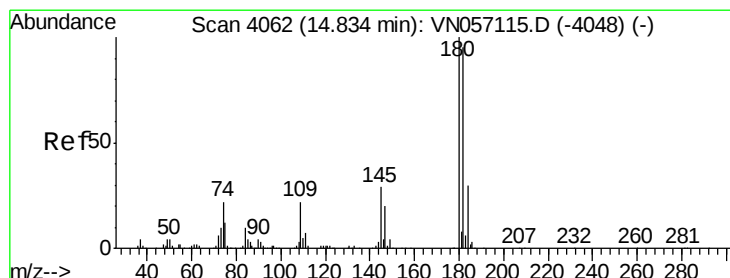
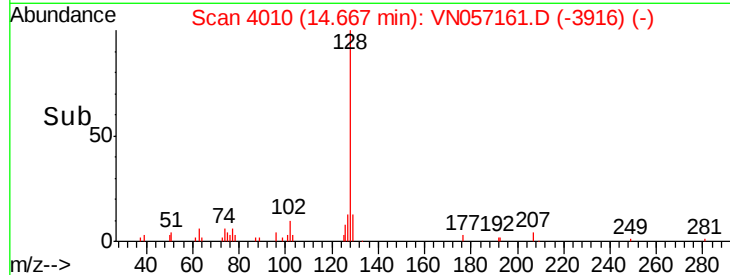
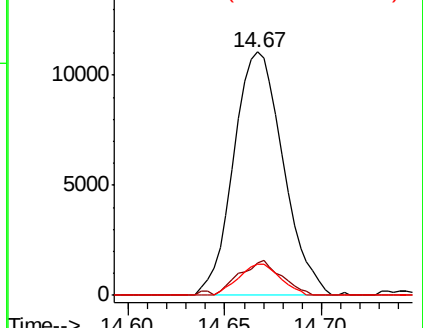
#95
Naphthalene
Concen: 5.000 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
MW-22D_080819

Tgt Ion:128 Resp: 19672
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 10.8 8.8 13.2

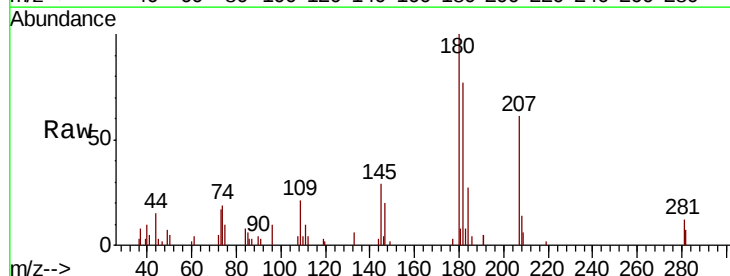


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 7.936 ug/l
RT: 14.83 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

Tgt Ion:180 Resp: 12938
Ion Ratio Lower Upper
180 100
182 92.9 48.3 144.8
145 29.6 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

