

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
 Data File : VN057147.D
 Acq On : 9 Aug 2019 15:26
 Operator : JC/SP
 Sample : K4262-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-23S_080719

Quant Time: Aug 10 02:12:46 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	1432333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	2001281	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1790262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	641505	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	635251	43.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.24%	
35) Dibromofluoromethane	6.99	113	590428	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
50) Toluene-d8	9.56	98	2403096	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	11.92	95	764346	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	

Target Compounds					Qvalue	
4) Vinyl Chloride	2.11	62	10330	0.727	ug/l	97
11) Tert butyl alcohol	4.23	59	4125	1.968	ug/l #	75
12) 1,1-Dichloroethene	3.43	96	81184	6.661	ug/l	92
16) Acetone	3.48	43	22837	5.133	ug/l	91
18) Methyl Acetate	3.90	43	14053	0.409	ug/l	96
21) trans-1,2-Dichloroethene	4.50	96	3270	0.246	ug/l #	63
25) 2-Butanone	6.21	43	5923	0.871	ug/l #	1
27) cis-1,2-Dichloroethene	6.21	96	1306759	85.916	ug/l	92
30) Chloroform	6.76	83	18988	0.772	ug/l	87
31) Cyclohexane	7.06	56	20337	0.952	ug/l #	1
32) 1,1,1-Trichloroethane	6.98	97	66827	3.241	ug/l	97
36) 1,1-Dichloropropene	7.05	75	89357	5.423	ug/l #	48
38) Carbon Tetrachloride	7.19	117	41636	2.425	ug/l	90
39) Methylcyclohexane	8.27	83	136297	6.802	ug/l #	1
44) Trichloroethene	8.27	130	13164183	900.787	ug/l	99
52) Toluene	9.63	92	1527212	47.167	ug/l	99
53) t-1,3-Dichloropropene	9.63	75	15628	0.893	ug/l #	1
55) 1,1,2-Trichloroethane	10.14	97	2231800	175.281	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.07	63	32	13.120	ug/l #	47
60) Dibromochloromethane	10.10	129	903475	67.563	ug/l #	11
67) Ethyl Benzene	11.01	91	38531	0.622	ug/l	94
68) m/p-Xylenes	11.12	106	16166	0.708	ug/l	92
69) o-Xylene	11.46	106	10080	0.443	ug/l	95
71) Bromoform	11.92	173	5494	0.557	ug/l #	1
73) Isopropylbenzene	11.77	105	2731	Below Cal		85
75) 1,1,2,2-Tetrachloroethane	12.02	83	7607	Below Cal		97
76) 1,2,3-Trichloropropane	11.92	75	353174	26.833	ug/l #	100
79) 2-Chlorotoluene	12.19	91	1284	Below Cal		77
81) trans-1,4-Dichloro-2-buten	11.92	75	353174	80.949	ug/l #	14
83) tert-Butylbenzene	12.52	119	996	Below Cal	#	73
90) Hexachloroethane	13.41	117	13813	0.827	ug/l	92
93) 1,2,4-Trichlorobenzene	14.45	180	321	5.961	ug/l #	12
94) Hexachlorobutadiene	14.55	225	158	Below Cal	#	61
95) Naphthalene	14.67	128	2449	2.950	ug/l #	79

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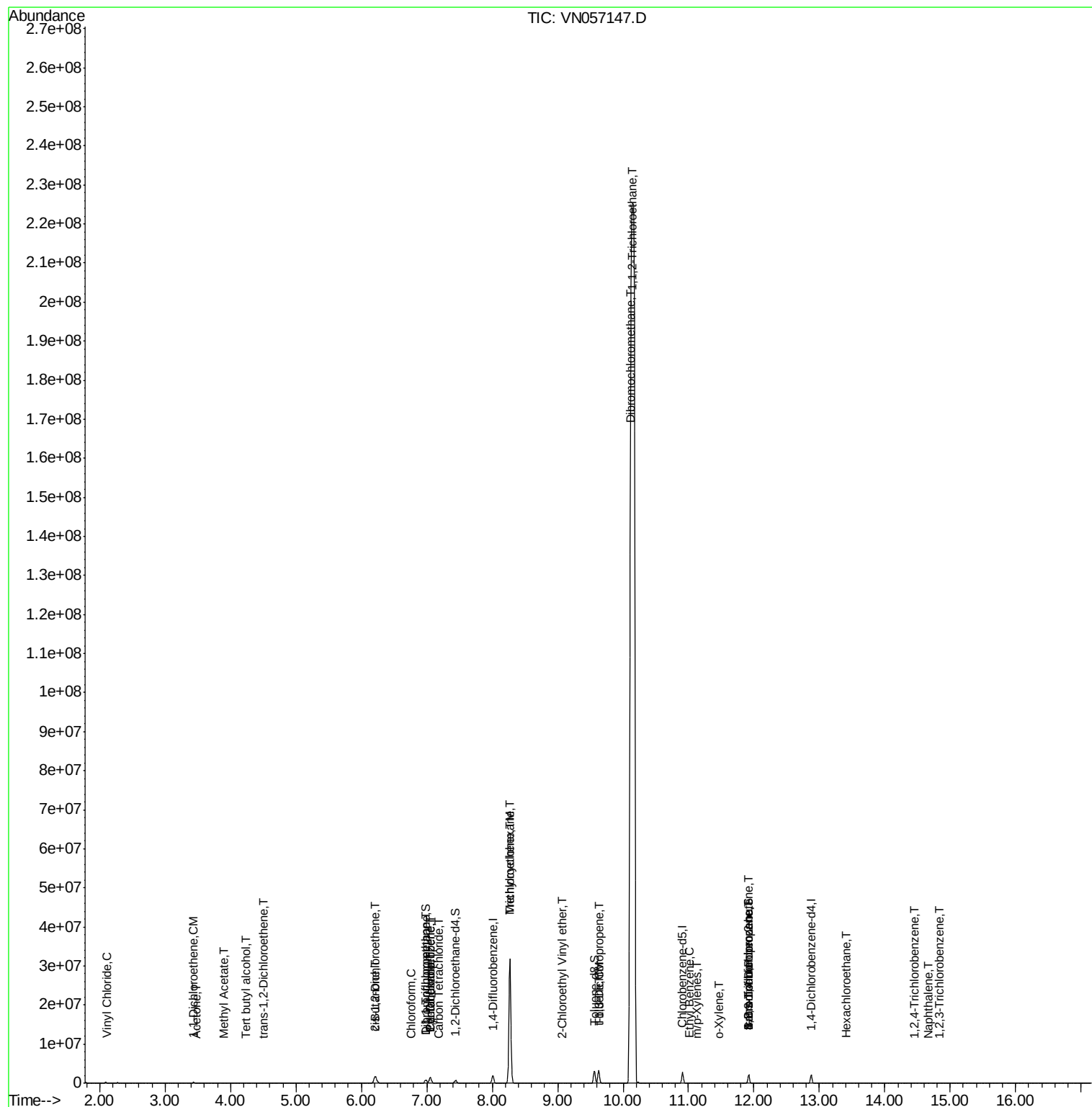
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.83	180	715	5.787	ug/l	85

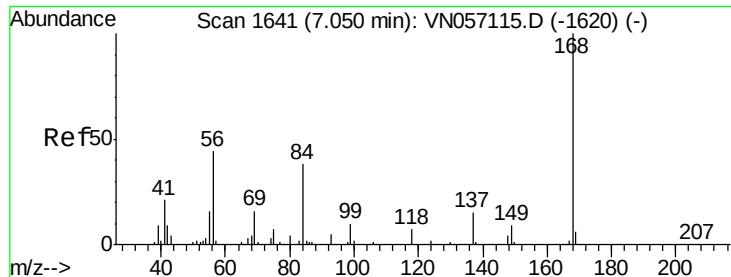
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
Data File : VN057147.D
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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: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

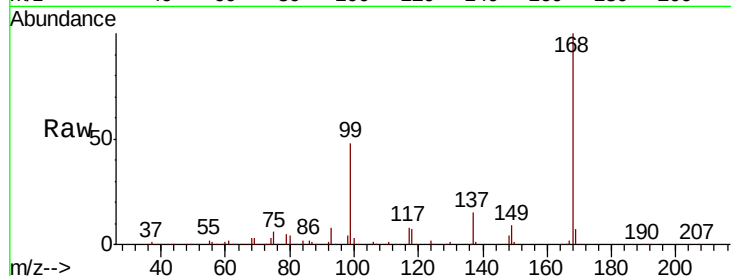
MW-23S_080719

Tgt Ion:168 Resp: 1432333

Ion Ratio Lower Upper

168 100

99 47.9 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

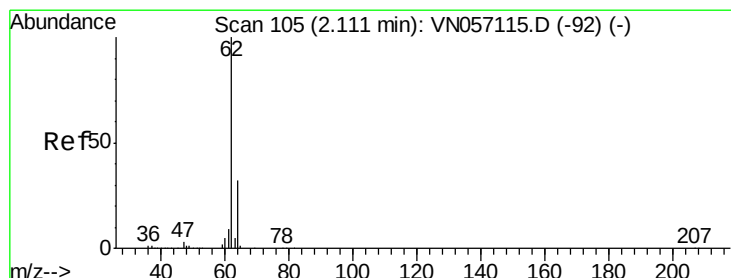
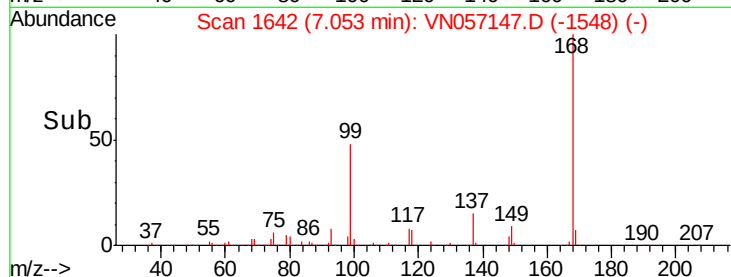
400000

200000

0

6.90 7.00 7.10

Time-->



#4

Vinyl Chloride

Concen: 0.727 ug/l

RT: 2.11 min Scan# 105

Delta R.T. 0.00 min

Lab File: VN057147.D

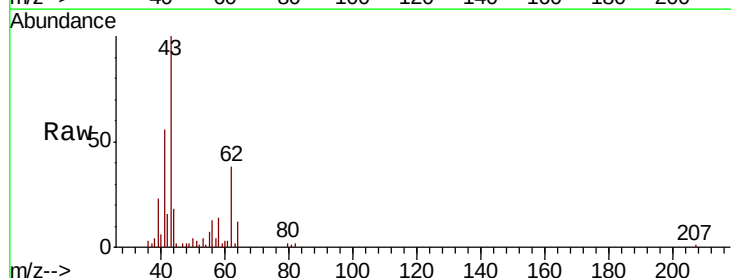
Acq: 9 Aug 2019 15:26

Tgt Ion: 62 Resp: 10330

Ion Ratio Lower Upper

62 100

64 30.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN057115.D (-92) (-)

Ion 63.90 (63.60 to 64.60): VN057115.D (-92) (-)

2.11

8000

6000

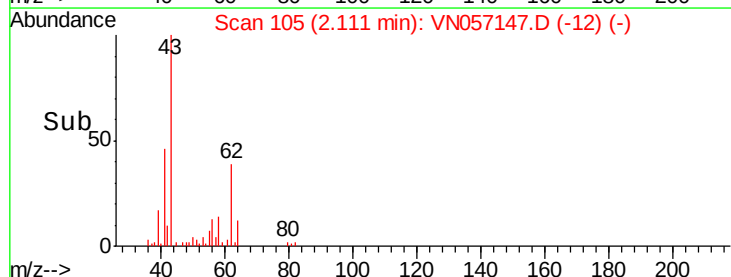
4000

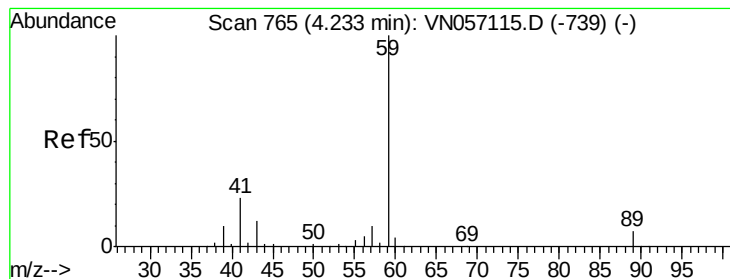
2000

0

2.05 2.10 2.15

Time-->



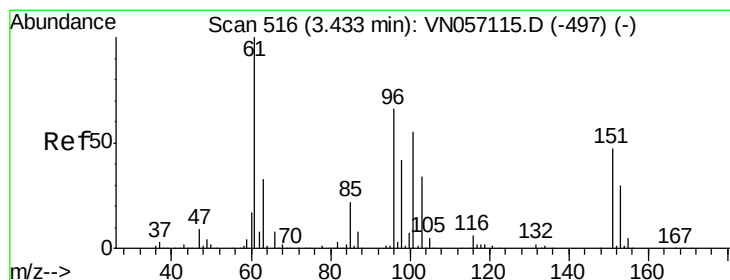
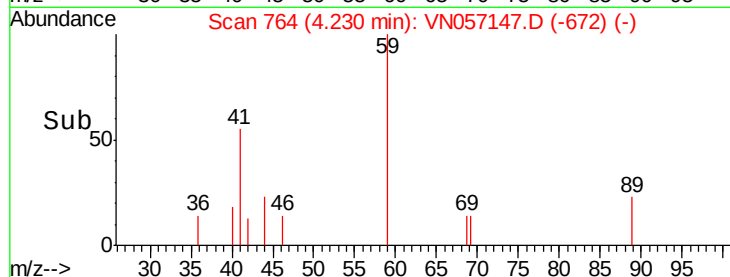
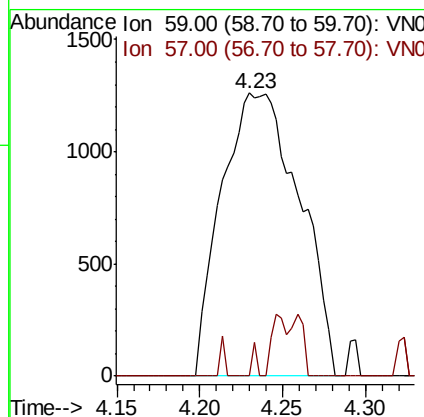
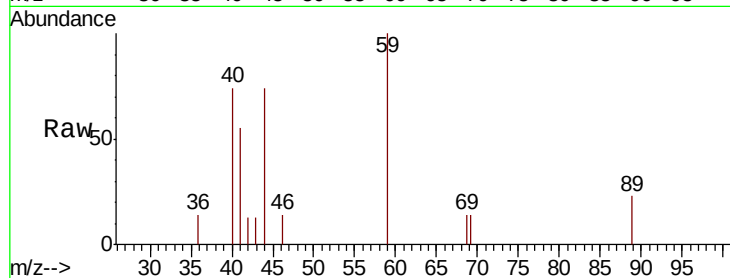


#11

Tert butyl alcohol
 Concen: 1.968 ug/l
 RT: 4.23 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VN057147.D
 Acq: 9 Aug 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-23S_080719

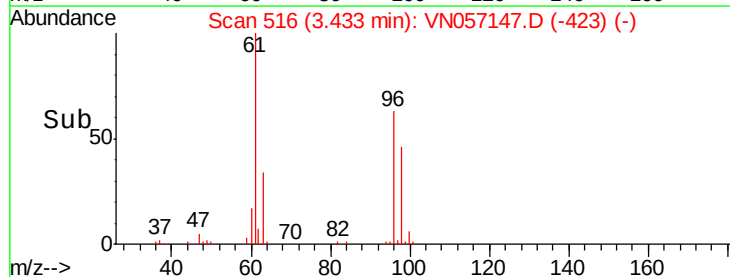
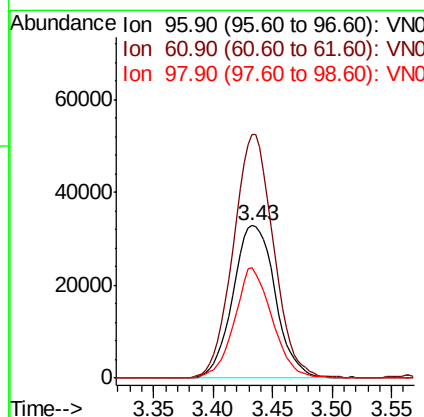
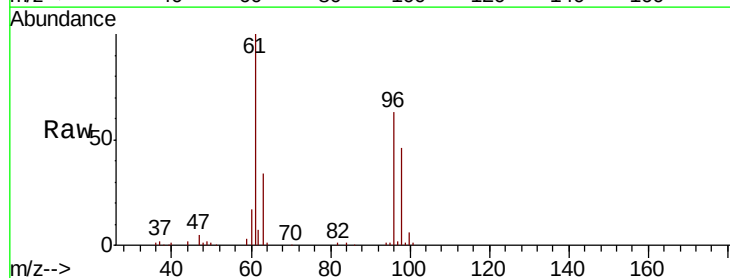
Tgt Ion: 59 Resp: 4125
 Ion Ratio Lower Upper
 59 100
 57 0.7 7.9 11.9#

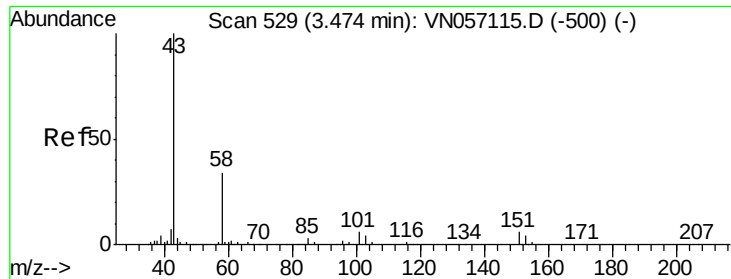


#12

1,1-Dichloroethene
 Concen: 6.661 ug/l
 RT: 3.43 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VN057147.D
 Acq: 9 Aug 2019 15:26

Tgt Ion: 96 Resp: 81184
 Ion Ratio Lower Upper
 96 100
 61 159.4 121.0 181.6
 98 72.6 50.8 76.2

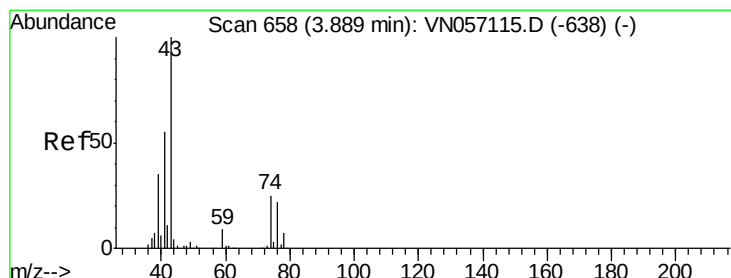
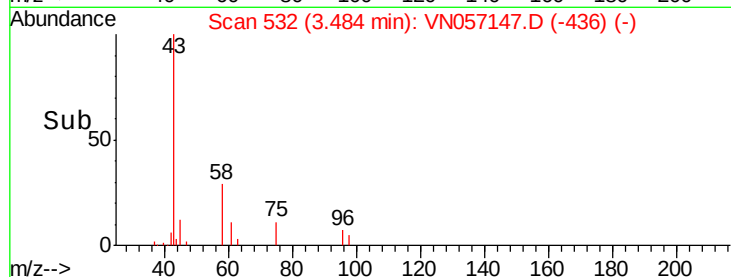
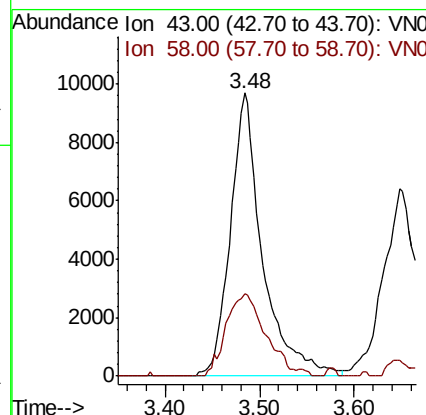
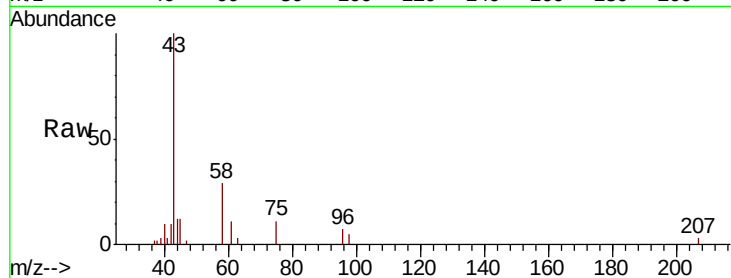




#16
Acetone
Concen: 5.133 ug/l
RT: 3.48 min Scan# 532
Delta R.T. 0.01 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

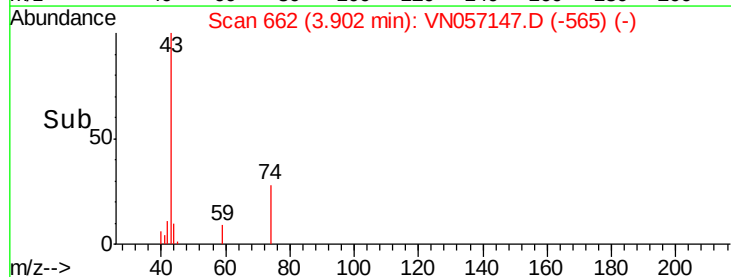
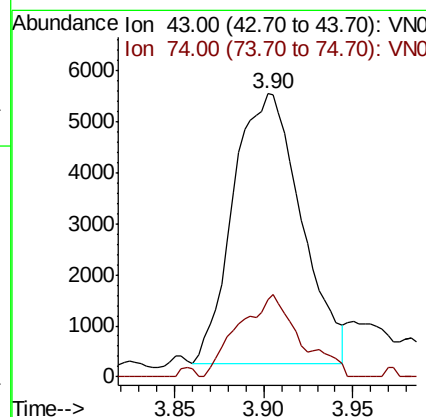
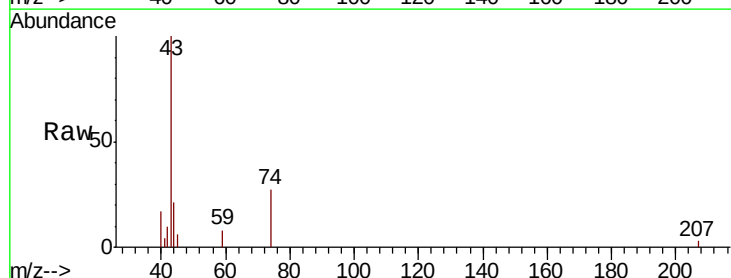
Instrument :
MSVOA_N
ClientSampleId :
MW-23S_080719

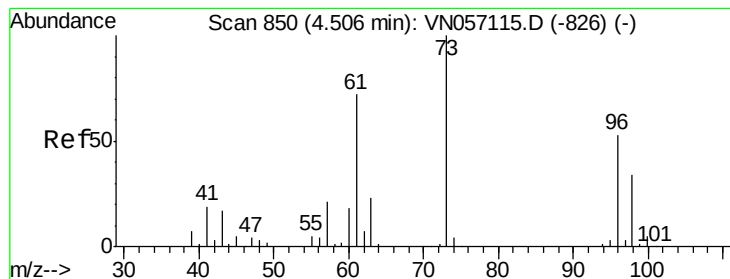
Tgt Ion: 43 Resp: 22837
Ion Ratio Lower Upper
43 100
58 29.0 27.4 41.2



#18
Methyl Acetate
Concen: 0.409 ug/l
RT: 3.90 min Scan# 662
Delta R.T. 0.01 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

Tgt Ion: 43 Resp: 14053
Ion Ratio Lower Upper
43 100
74 27.5 20.2 30.4





#21

trans-1,2-Dichloroethene

Concen: 0.246 ug/l

RT: 4.50 min Scan# 848

Delta R.T. -0.01 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

MW-23S_080719

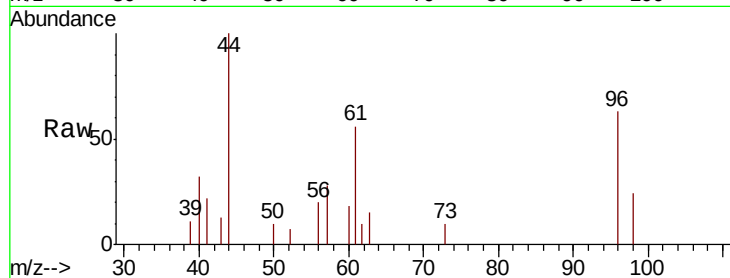
Tgt Ion: 96 Resp: 3270

Ion Ratio Lower Upper

96 100

61 88.9 108.1 162.1#

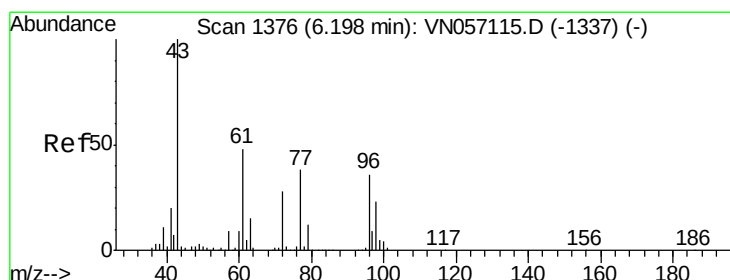
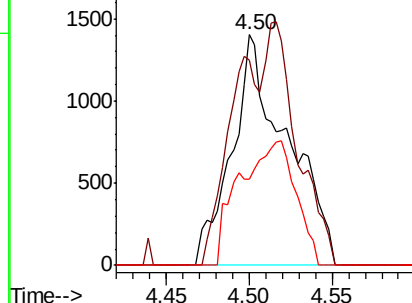
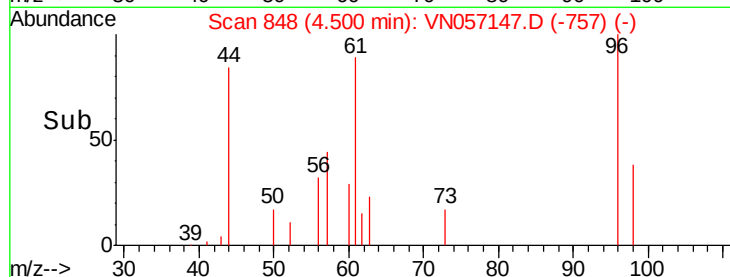
98 37.5 50.5 75.7#



Abundance Ion 95.90 (95.60 to 96.60): VN057147.D (-757) (-)

Ion 60.90 (60.60 to 61.60): VN057147.D (-757) (-)

Ion 97.90 (97.60 to 98.60): VN057147.D (-757) (-)



#25

2-Butanone

Concen: 0.871 ug/l

RT: 6.21 min Scan# 1379

Delta R.T. 0.01 min

Lab File: VN057147.D

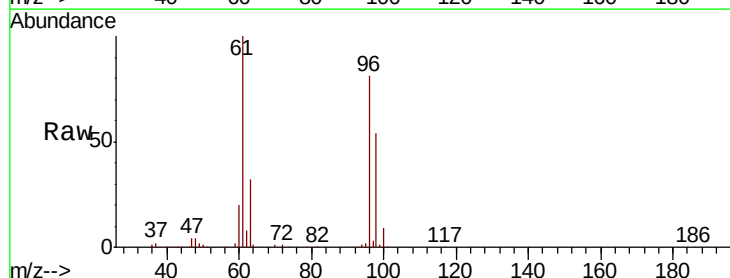
Acq: 9 Aug 2019 15:26

Tgt Ion: 43 Resp: 5923

Ion Ratio Lower Upper

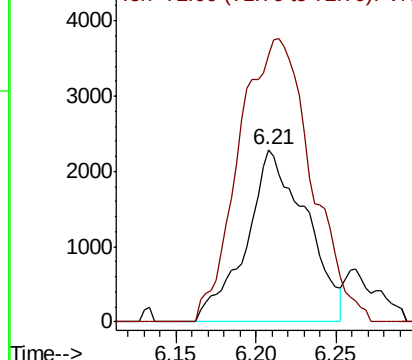
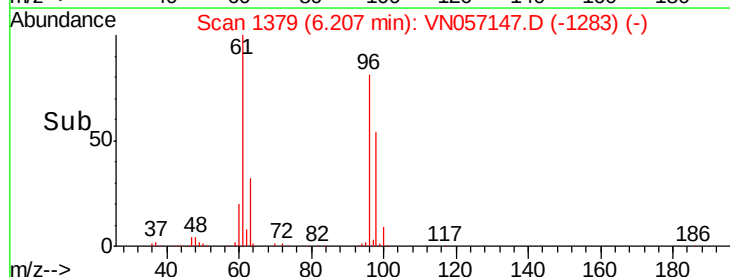
43 100

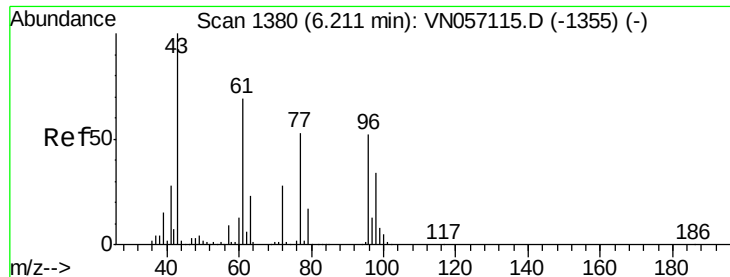
72 154.8 22.2 33.4#



Abundance Ion 43.00 (42.70 to 43.70): VN057147.D (-1283) (-)

Ion 72.00 (71.70 to 72.70): VN057147.D (-1283) (-)





#27

cis-1,2-Dichloroethene

Concen: 85.916 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

MW-23S_080719

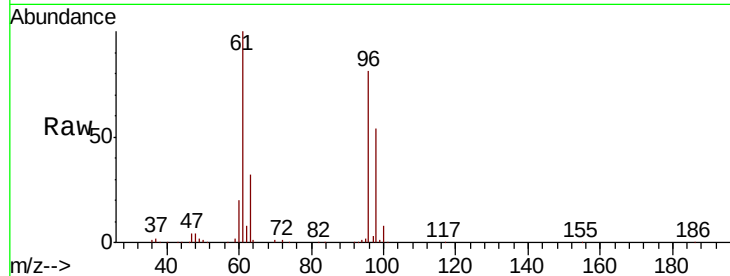
Tgt Ion: 96 Resp: 1306759

Ion Ratio Lower Upper

96 100

61 121.7 0.0 273.4

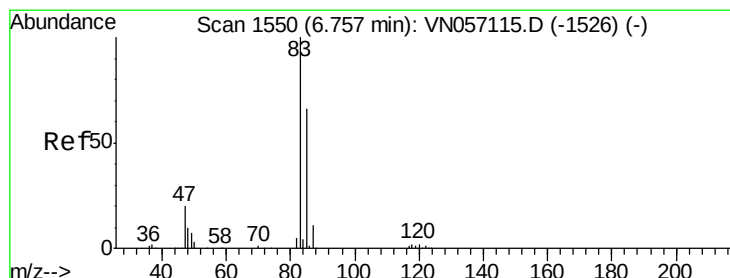
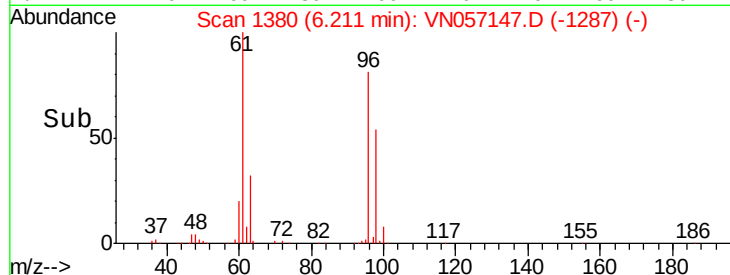
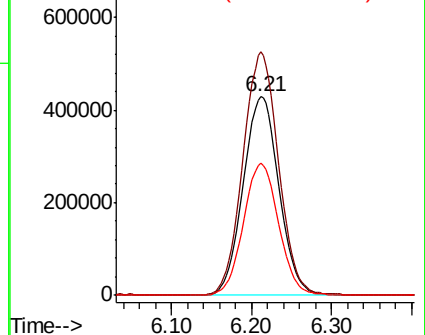
98 65.2 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VN057147.D (-1287) (-)

Ion 60.90 (60.60 to 61.60): VN057147.D (-1287) (-)

Ion 97.90 (97.60 to 98.60): VN057147.D (-1287) (-)



#30

Chloroform

Concen: 0.772 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VN057147.D

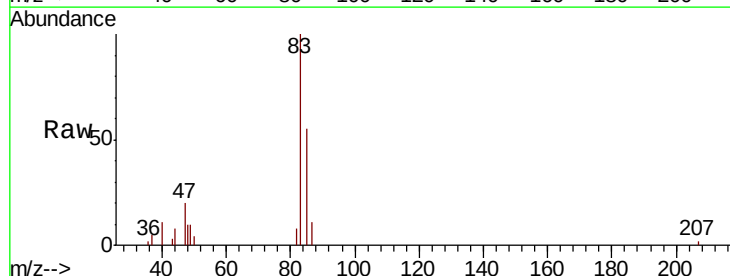
Acq: 9 Aug 2019 15:26

Tgt Ion: 83 Resp: 18988

Ion Ratio Lower Upper

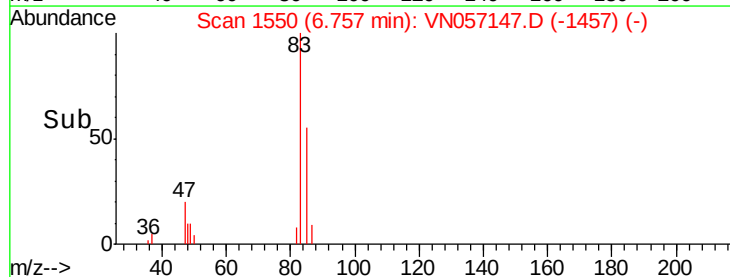
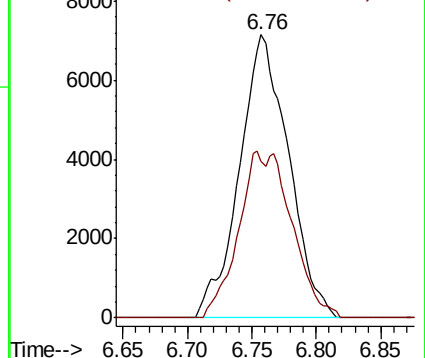
83 100

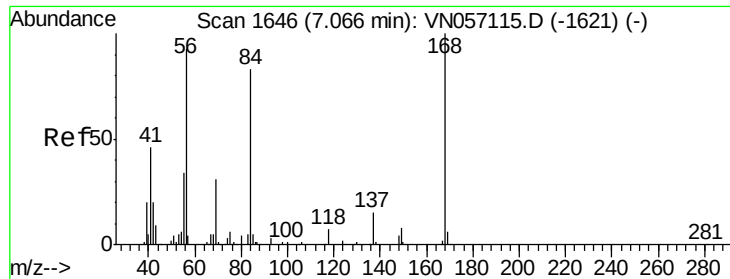
85 55.2 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN057147.D (-1457) (-)

Ion 84.90 (84.60 to 85.60): VN057147.D (-1457) (-)

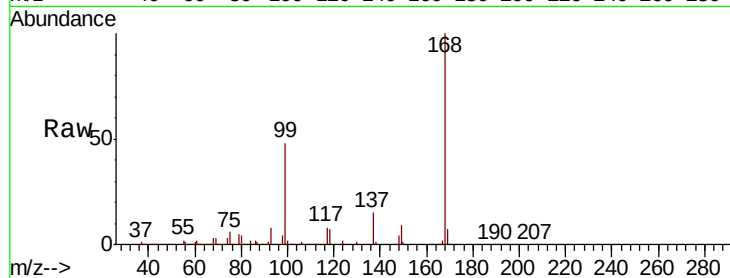




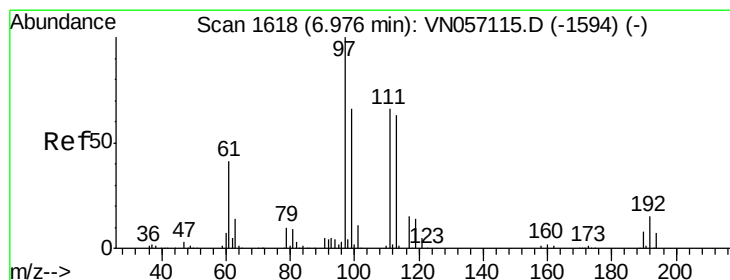
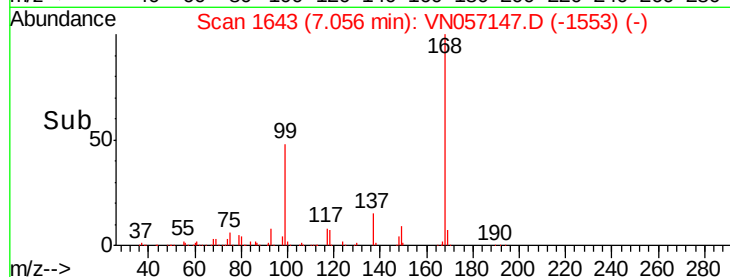
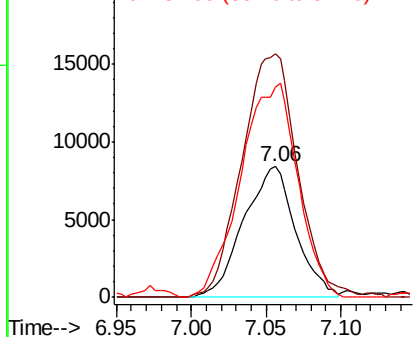
#31
Cyclohexane
Concen: 0.952 ug/l
RT: 7.06 min Scan# 1643
Delta R.T. -0.01 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

Instrument :
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MW-23S_080719

Tgt Ion: 56 Resp: 20337
Ion Ratio Lower Upper
56 100
69 186.8 26.9 40.3#
84 161.2 71.9 107.9#

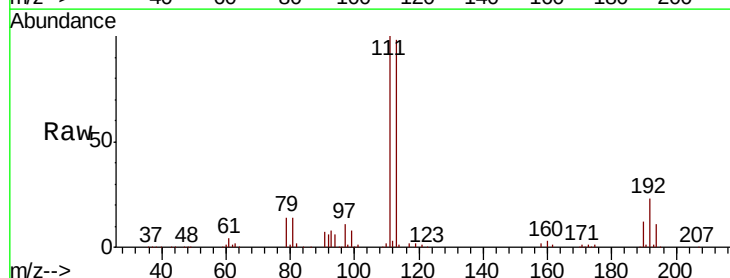


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

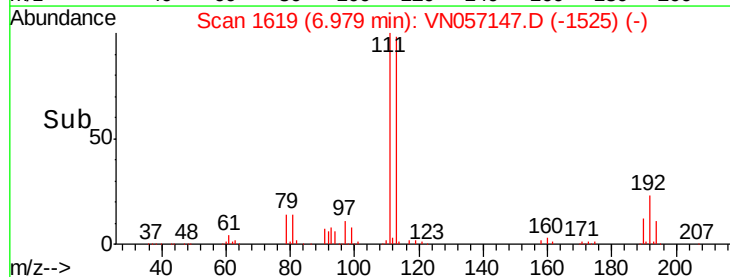
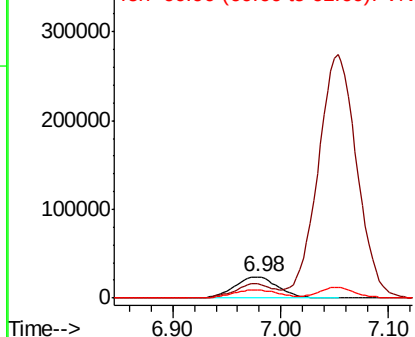


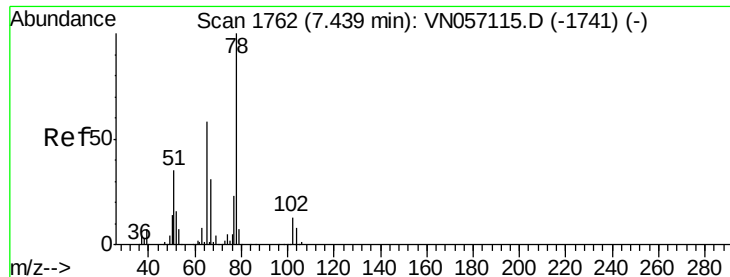
#32
1,1,1-Trichloroethane
Concen: 3.241 ug/l
RT: 6.98 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

Tgt Ion: 97 Resp: 66827
Ion Ratio Lower Upper
97 100
99 61.6 51.8 77.6
61 41.2 32.7 49.1



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 43.125 ug/l

RT: 7.44 min Scan# 1762

Delta R.T. 0.00 min

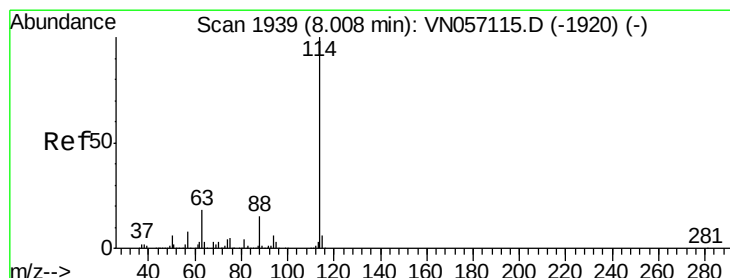
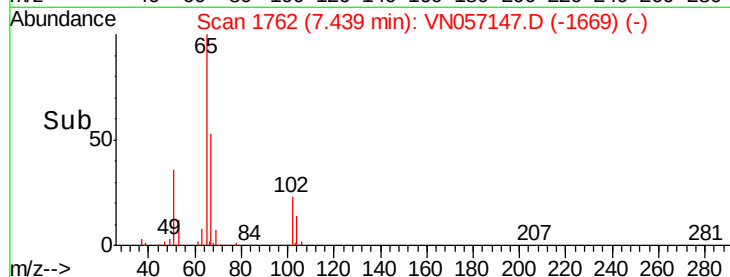
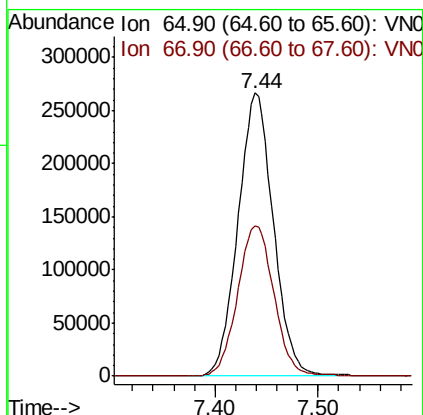
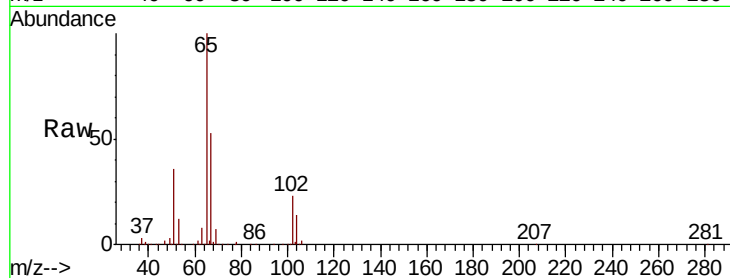
Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
MW-23S_080719

Tgt Ion: 65 Resp: 635251

Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.01 min Scan# 1939

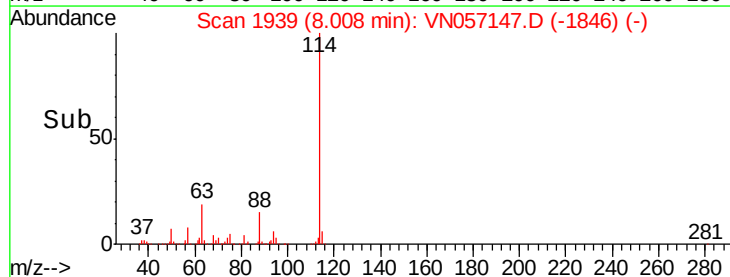
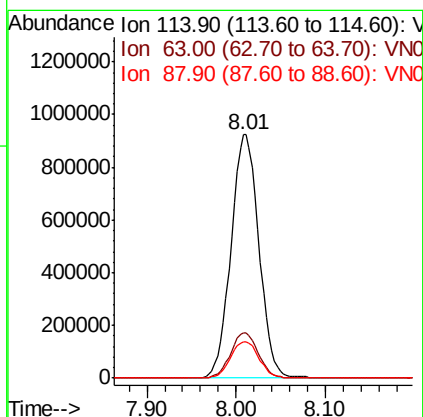
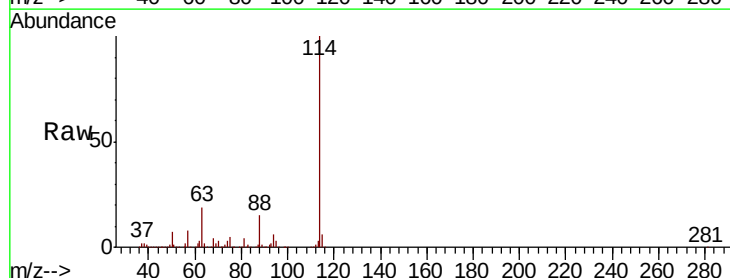
Delta R.T. 0.00 min

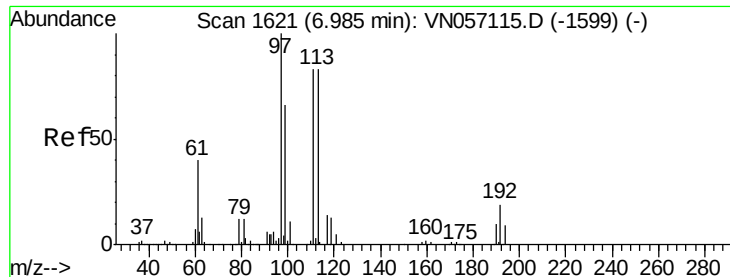
Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Tgt Ion: 114 Resp: 2001281

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	36.2
88	15.1	0.0	30.0

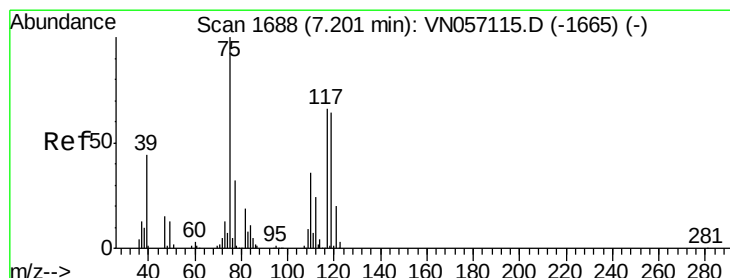
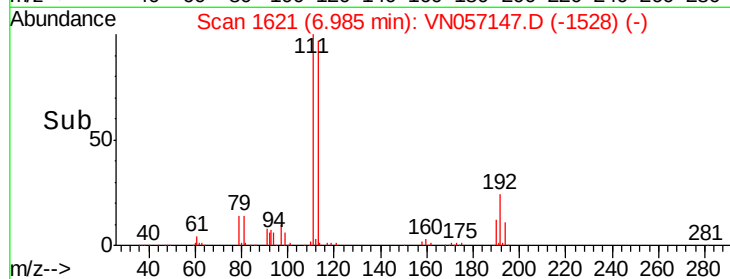
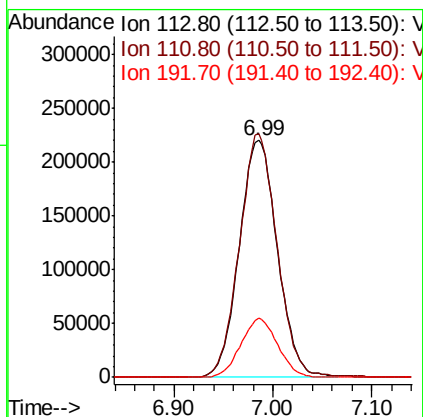
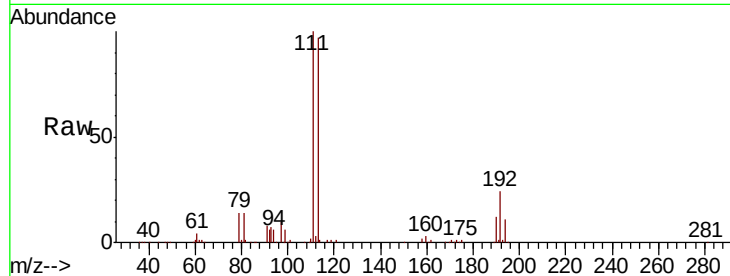




#35
 Dibromofluoromethane
 Concen: 47.015 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VN057147.D
 Acq: 9 Aug 2019 15:26

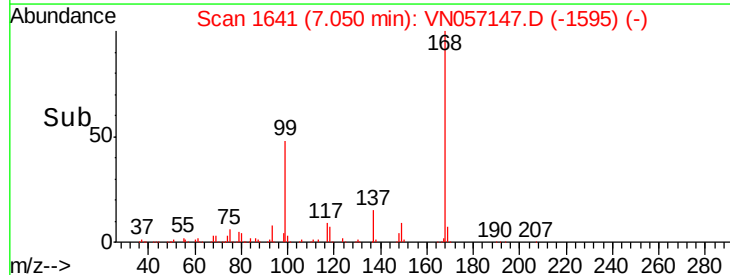
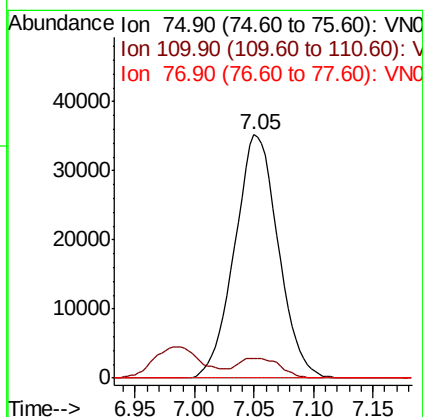
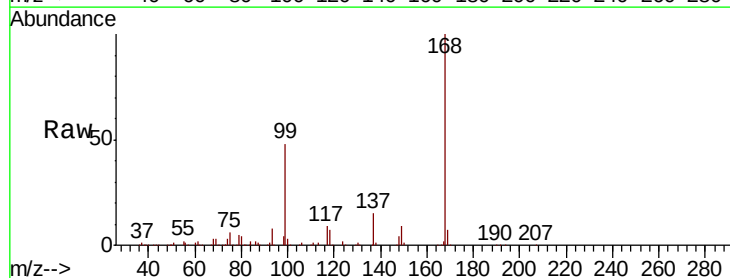
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-23S_080719

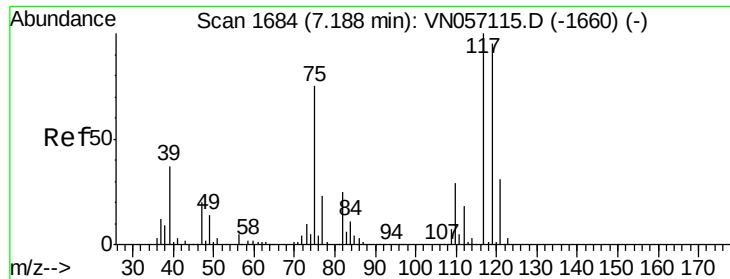
Tgt Ion: 113 Resp: 590428
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.3 121.9
 192 24.1 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 5.423 ug/l
 RT: 7.05 min Scan# 1641
 Delta R.T. -0.15 min
 Lab File: VN057147.D
 Acq: 9 Aug 2019 15:26

Tgt Ion: 75 Resp: 89357
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.7 56.1#
 77 0.0 25.0 37.4#

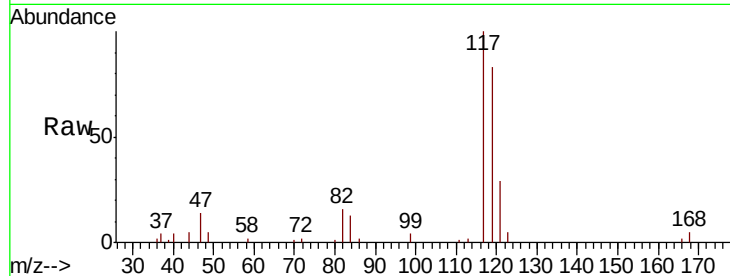




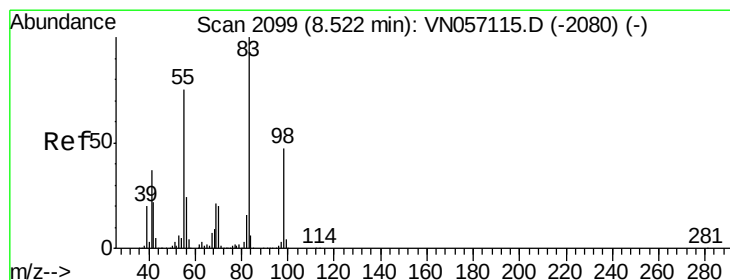
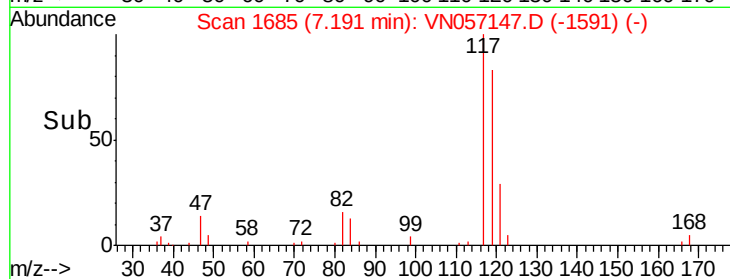
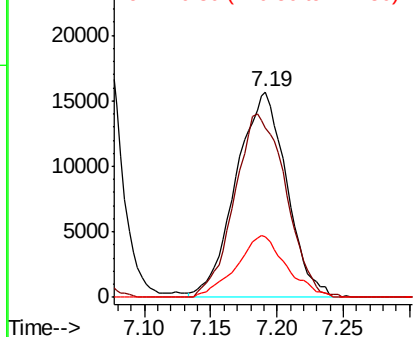
#38
Carbon Tetrachloride
Concen: 2.425 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
MW-23S_080719

Tgt Ion: 117 Resp: 41636
Ion Ratio Lower Upper
117 100
119 82.6 75.8 113.6
121 29.4 24.4 36.6

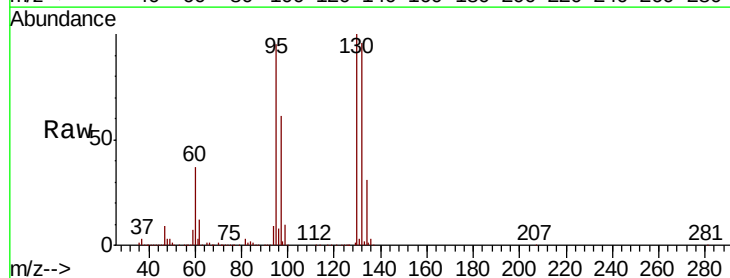


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

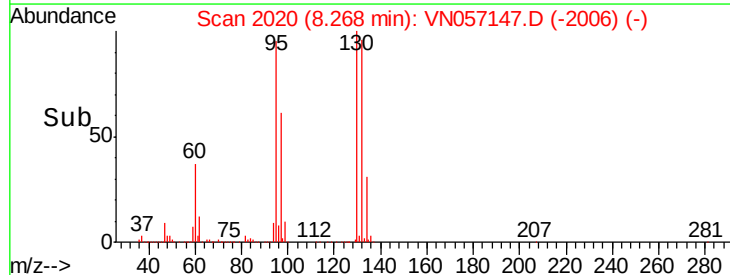
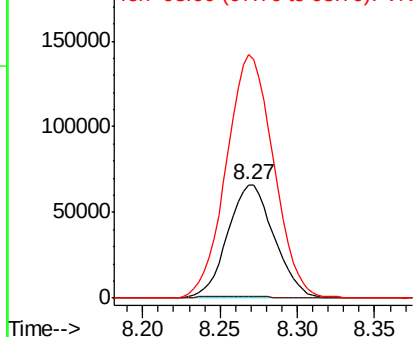


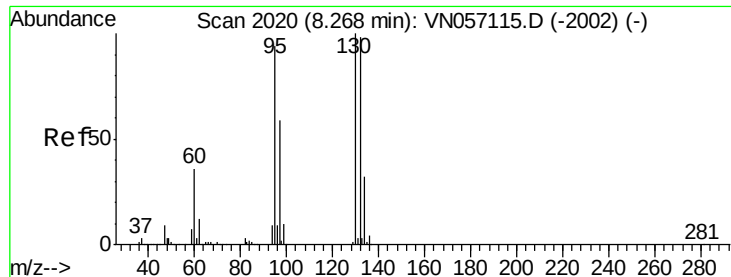
#39
Methylcyclohexane
Concen: 6.802 ug/l
RT: 8.27 min Scan# 2020
Delta R.T. -0.25 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

Tgt Ion: 83 Resp: 136297
Ion Ratio Lower Upper
83 100
55 1.5 60.3 90.5#
98 214.9 37.9 56.9#



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#44

Trichloroethene

Concen: 900.787 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

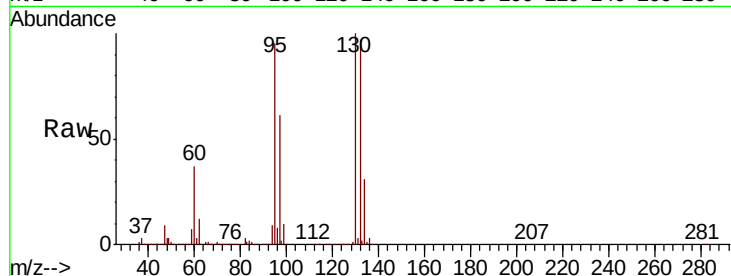
MW-23S_080719

Tgt Ion:130 Resp:13164183

Ion Ratio Lower Upper

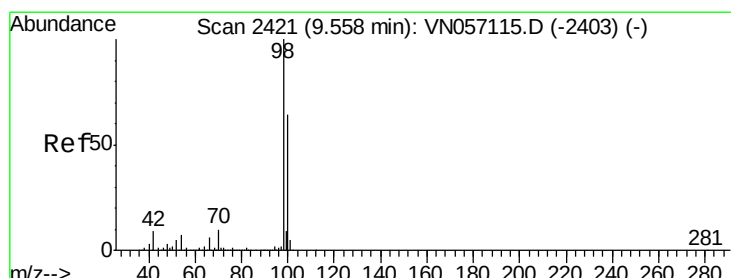
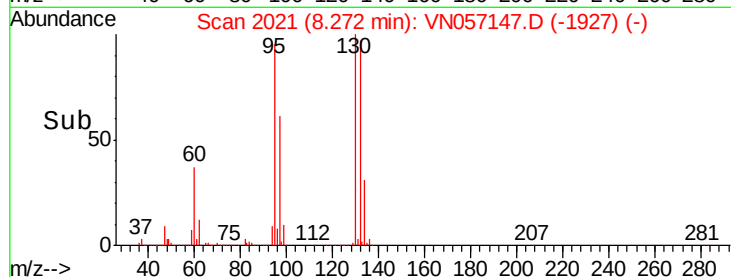
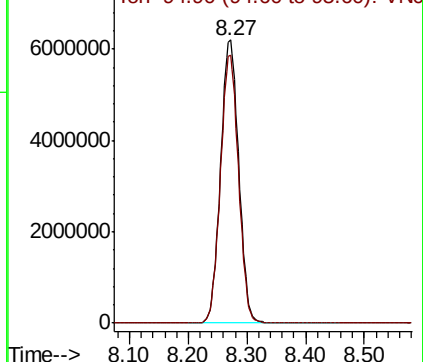
130 100

95 94.7 0.0 187.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 50.017 ug/l

RT: 9.56 min Scan# 2422

Delta R.T. 0.00 min

Lab File: VN057147.D

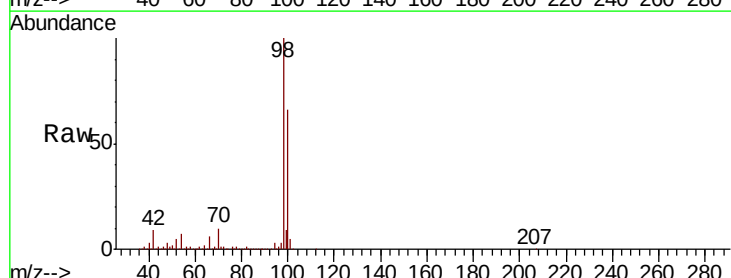
Acq: 9 Aug 2019 15:26

Tgt Ion: 98 Resp: 2403096

Ion Ratio Lower Upper

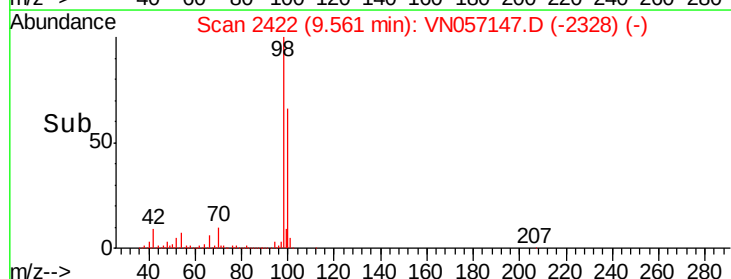
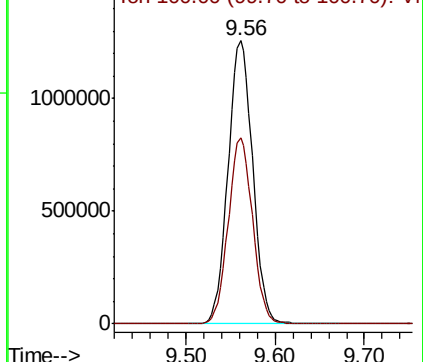
98 100

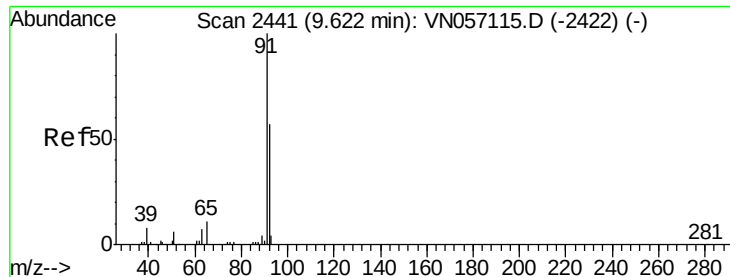
100 65.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#52

Toluene

Concen: 47.167 ug/l

RT: 9.63 min Scan# 2443

Delta R.T. 0.01 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

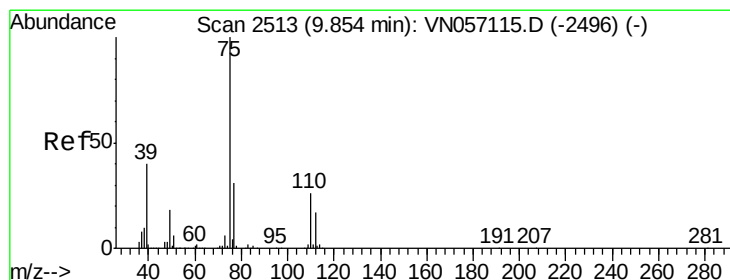
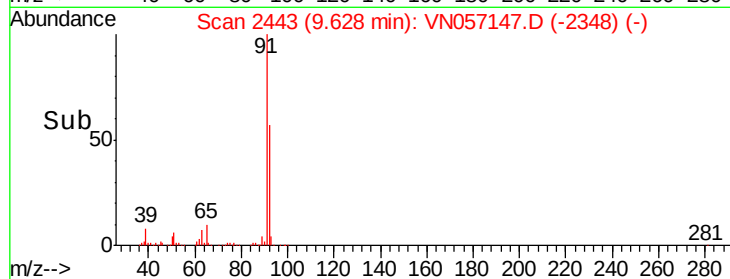
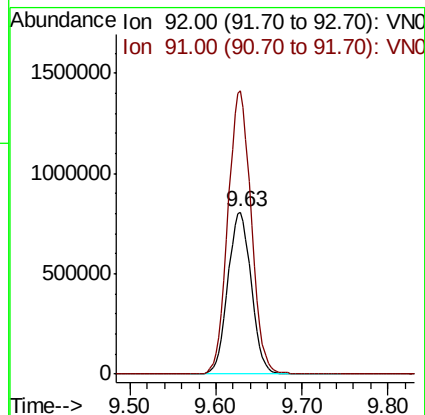
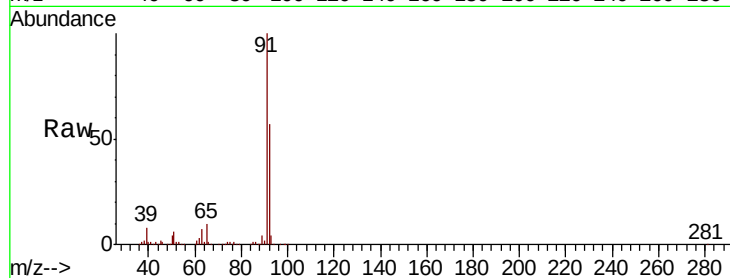
MW-23S_080719

Tgt Ion: 92 Resp: 1527212

Ion Ratio Lower Upper

92 100

91 173.6 139.8 209.8



#53

t-1,3-Dichloropropene

Concen: 0.893 ug/l

RT: 9.63 min Scan# 2442

Delta R.T. -0.23 min

Lab File: VN057147.D

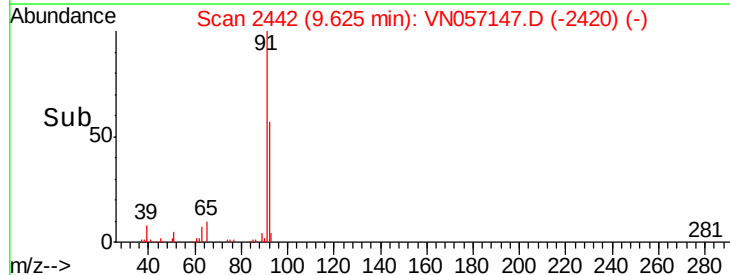
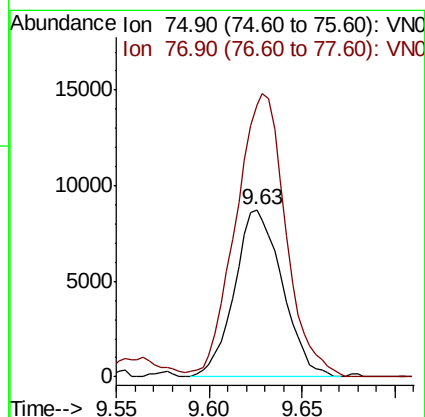
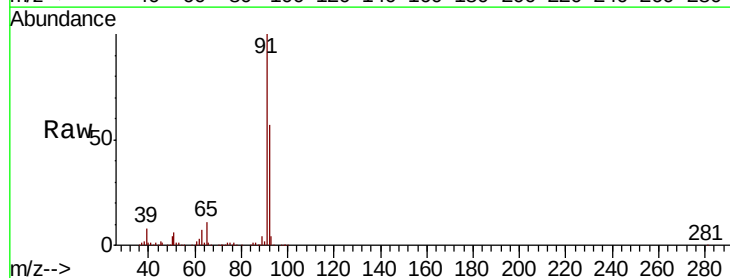
Acq: 9 Aug 2019 15:26

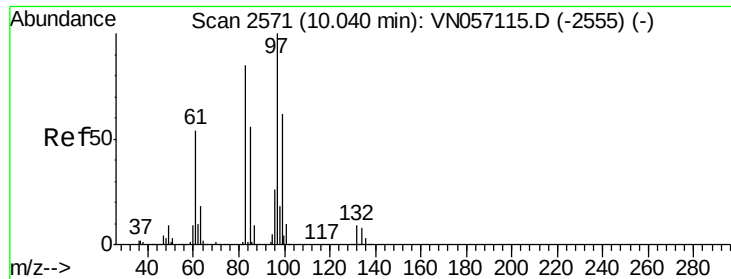
Tgt Ion: 75 Resp: 15628

Ion Ratio Lower Upper

75 100

77 160.4 24.8 37.2#

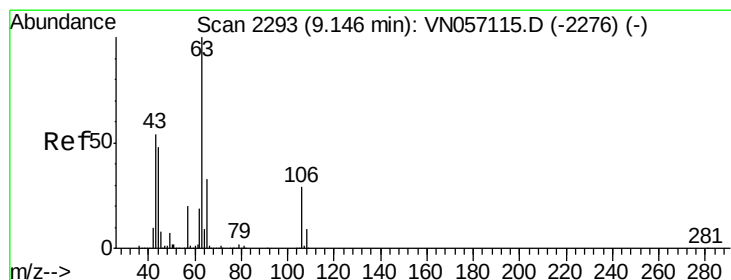
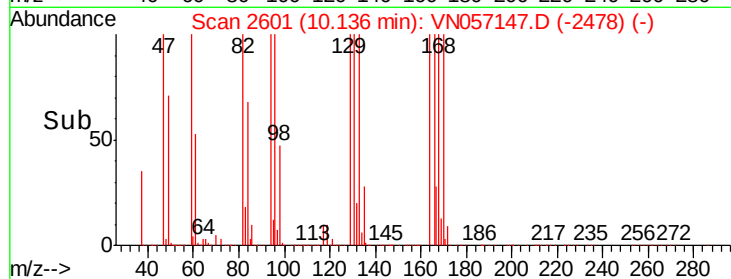
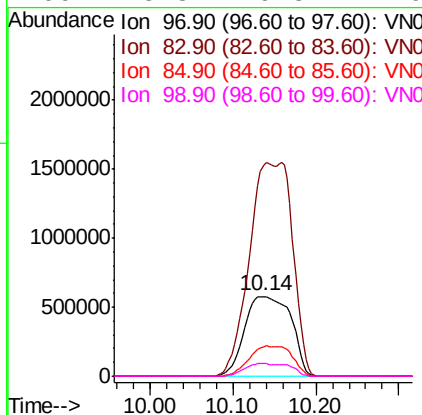
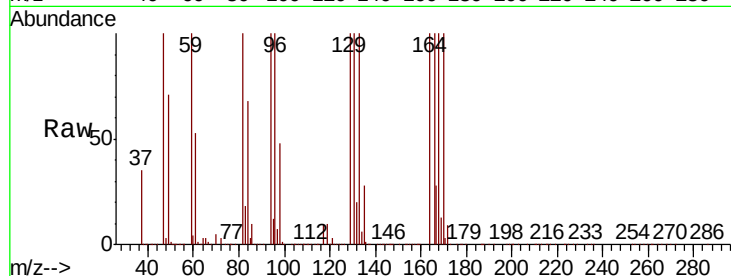




#55
 1,1,2-Trichloroethane
 Concen: 175.281 ug/l
 RT: 10.14 min Scan# 2601
 Delta R.T. 0.10 min
 Lab File: VN057147.D
 Acq: 9 Aug 2019 15:26

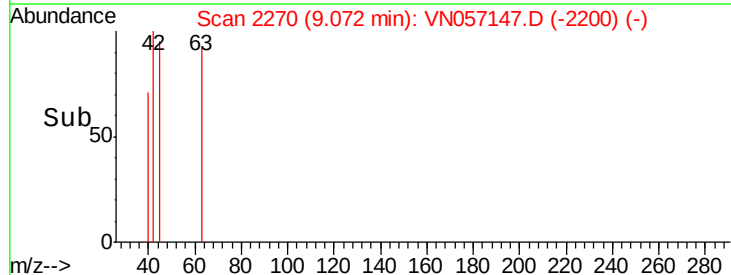
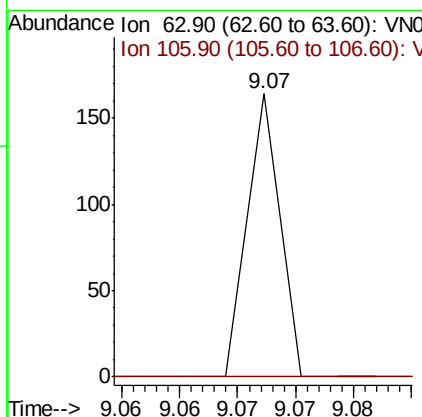
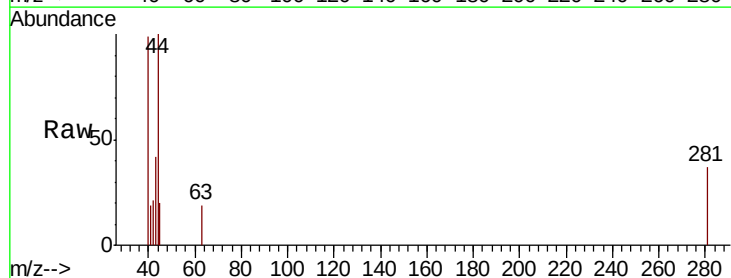
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-23S_080719

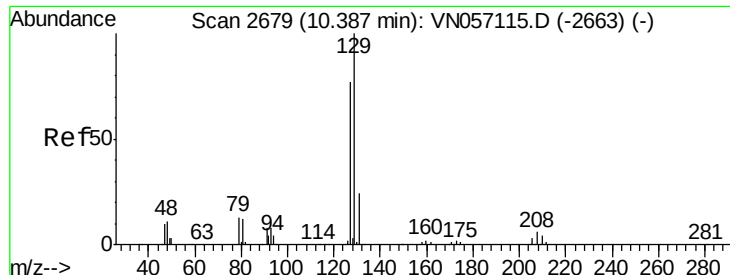
Tgt Ion: 97 Resp: 2231800
 Ion Ratio Lower Upper
 97 100
 83 266.3 67.8 101.8#
 85 37.4 44.4 66.6#
 99 15.8 49.8 74.6#



#58
 2-Chloroethyl Vinyl ether
 Concen: 13.120 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.07 min
 Lab File: VN057147.D
 Acq: 9 Aug 2019 15:26

Tgt Ion: 63 Resp: 32
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.6 33.8#

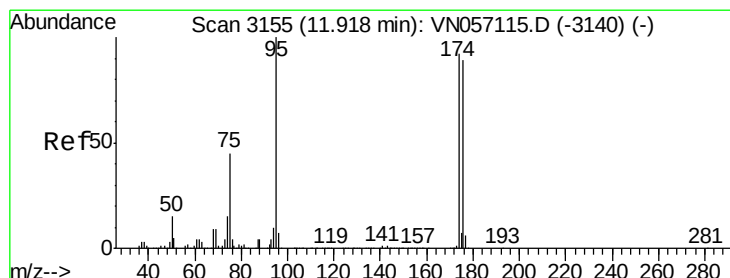
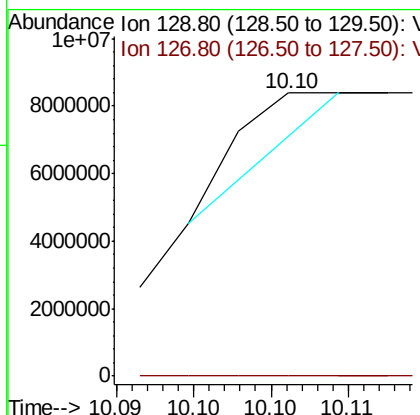
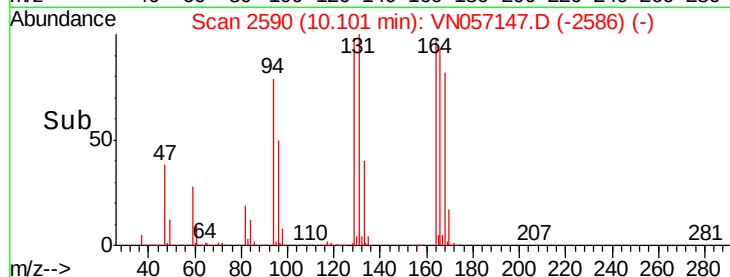
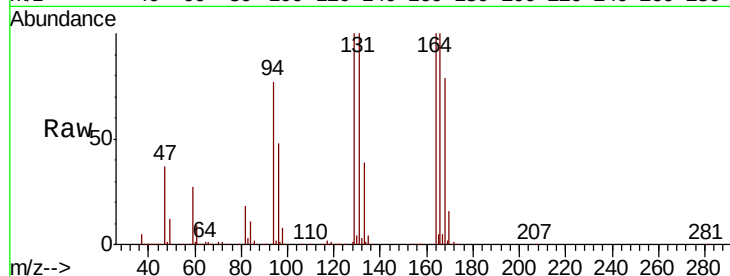




#60
Dibromochloromethane
Concen: 67.563 ug/l
RT: 10.10 min Scan# 2590
Delta R.T. -0.29 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

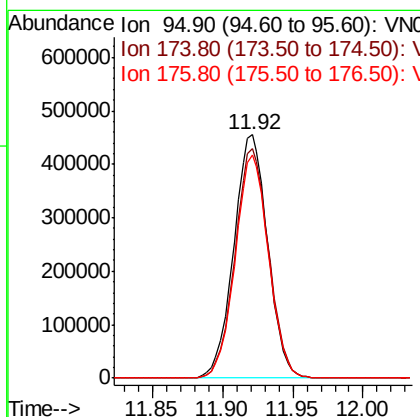
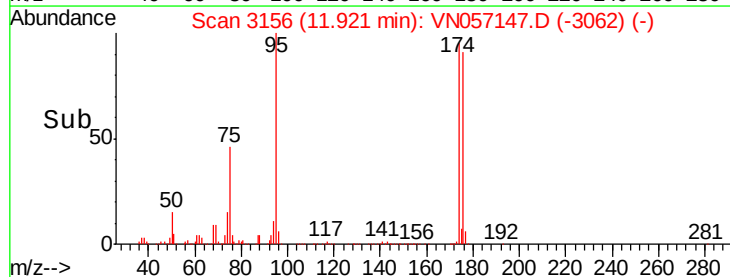
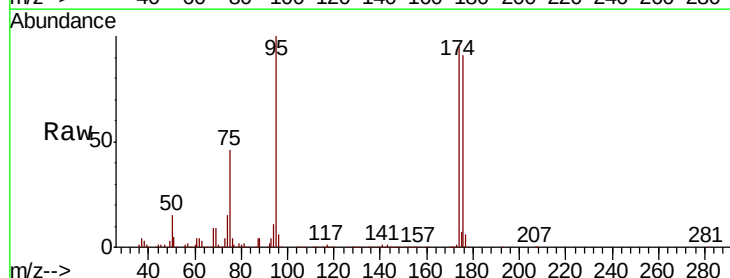
Instrument :
MSVOA_N
ClientSampleId :
MW-23S_080719

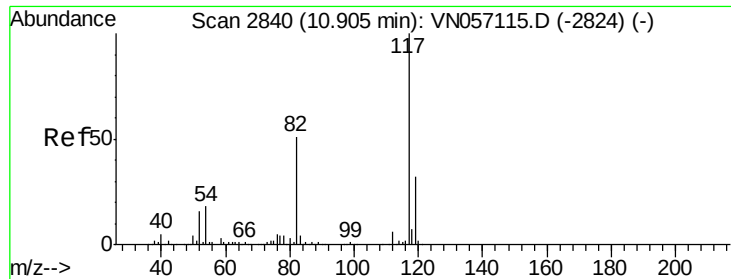
Tgt Ion: 129 Resp: 903475
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 49.374 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

Tgt Ion: 95 Resp: 764346
Ion Ratio Lower Upper
95 100
174 93.9 0.0 185.0
176 90.4 0.0 181.2

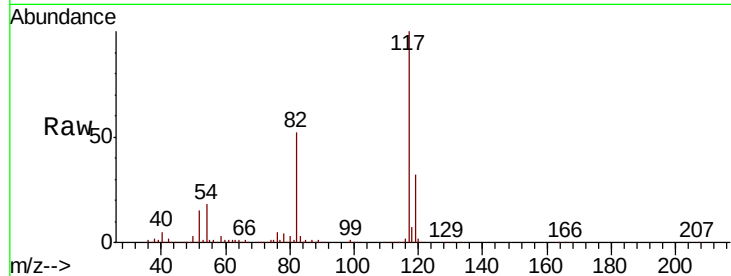




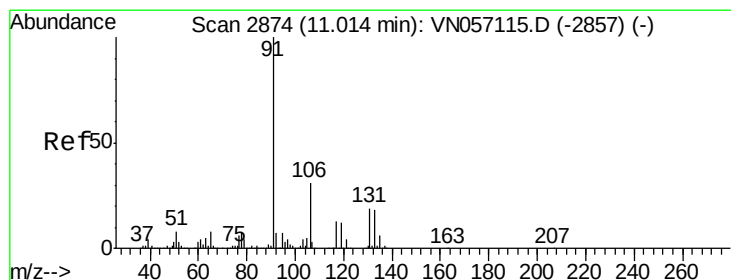
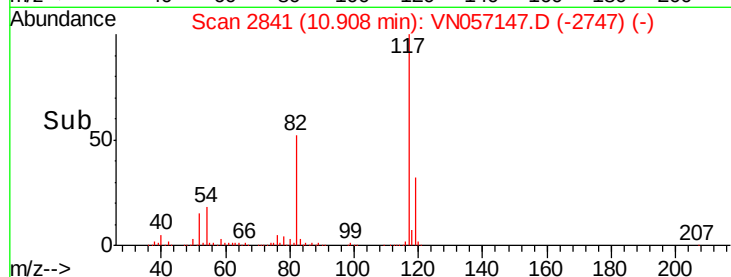
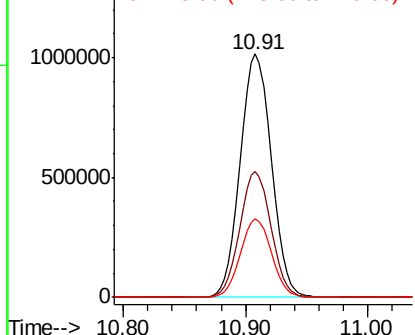
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

Instrument :
MSVOA_N
ClientSampleId :
MW-23S_080719

Tgt Ion:117 Resp: 1790262
Ion Ratio Lower Upper
117 100
82 51.9 40.8 61.2
119 32.3 25.7 38.5

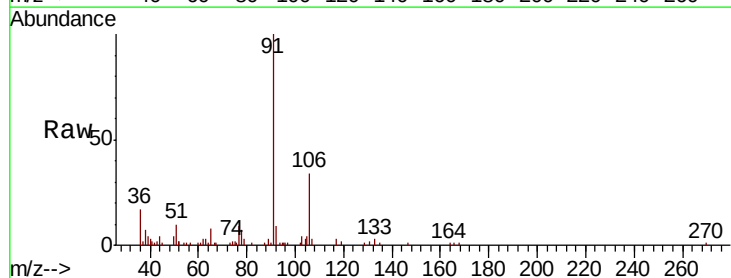


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

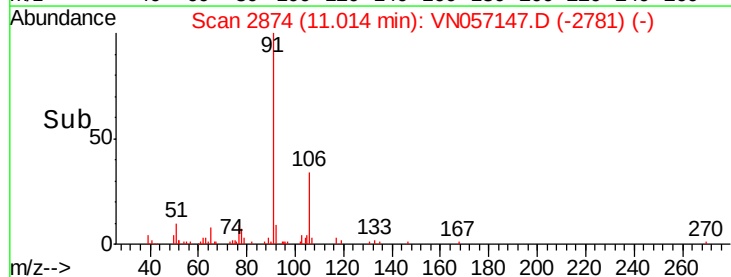
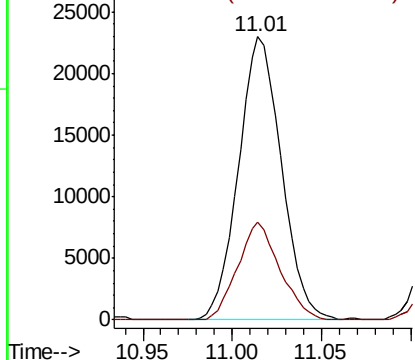


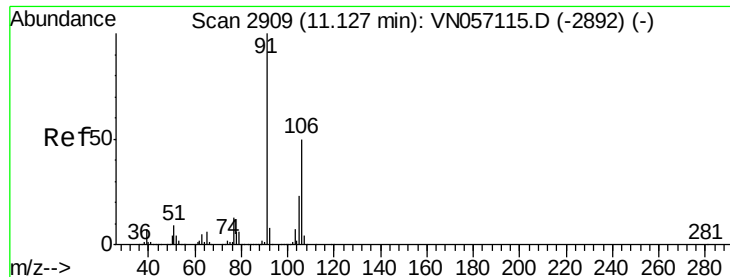
#67
Ethyl Benzene
Concen: 0.622 ug/l
RT: 11.01 min Scan# 2874
Delta R.T. 0.00 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

Tgt Ion: 91 Resp: 38531
Ion Ratio Lower Upper
91 100
106 34.5 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

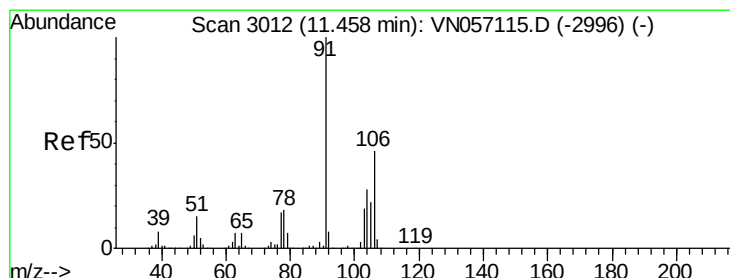
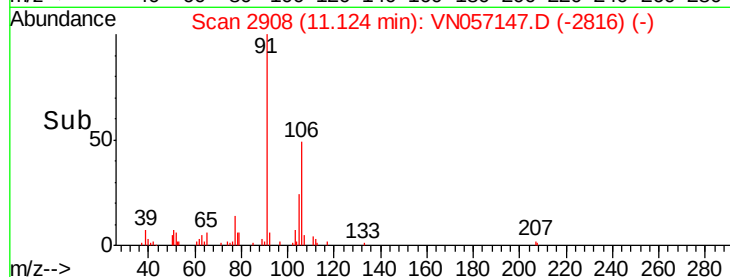
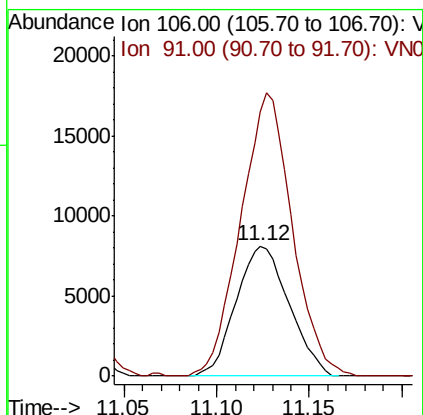
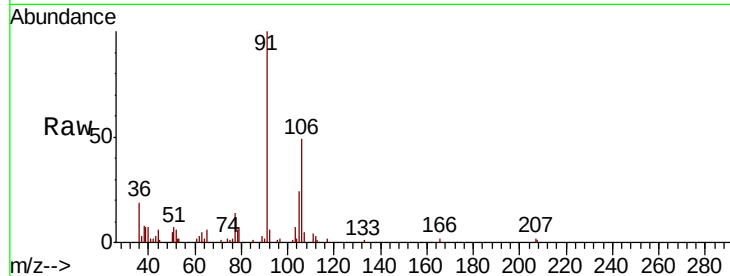




#68
m/p-Xylenes
Concen: 0.708 ug/l
RT: 11.12 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

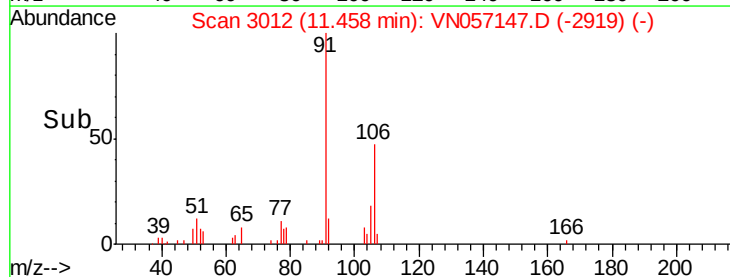
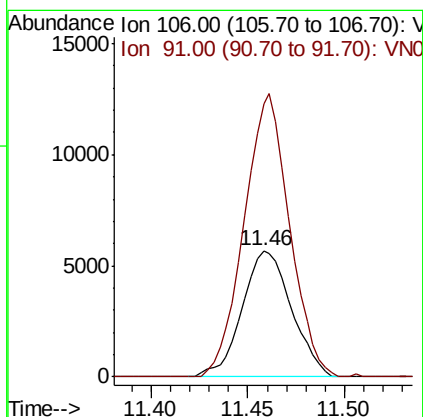
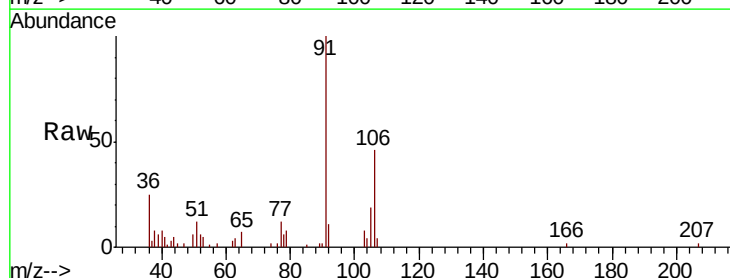
Instrument :
MSVOA_N
ClientSampleId :
MW-23S_080719

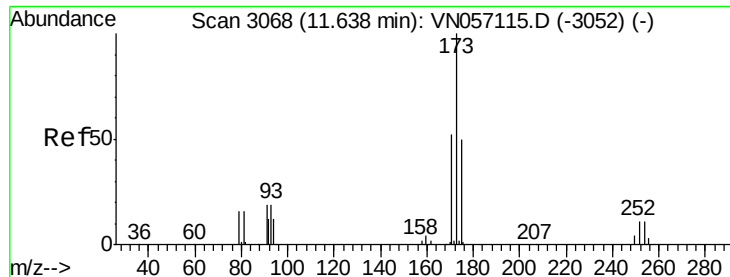
Tgt Ion:106 Resp: 16166
Ion Ratio Lower Upper
106 100
91 211.5 159.8 239.8



#69
o-Xylene
Concen: 0.443 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. 0.00 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

Tgt Ion:106 Resp: 10080
Ion Ratio Lower Upper
106 100
91 206.3 106.8 320.5





#71

Bromoform

Concen: 0.557 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.28 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

MW-23S_080719

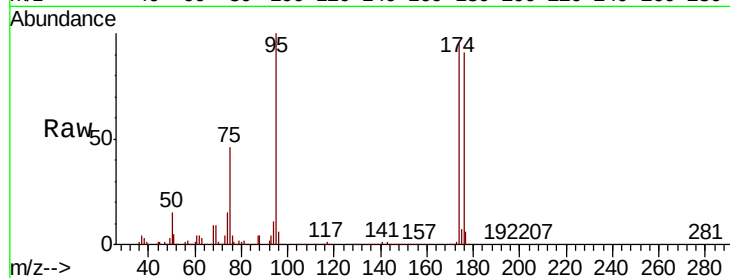
Tgt Ion:173 Resp: 5494

Ion Ratio Lower Upper

173 100

175 681.5 24.6 73.8#

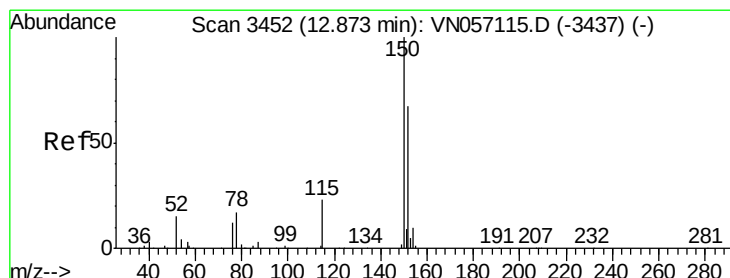
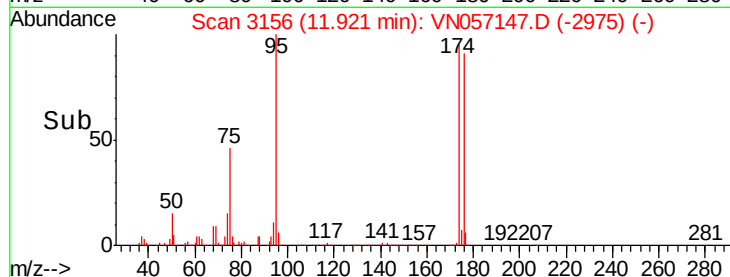
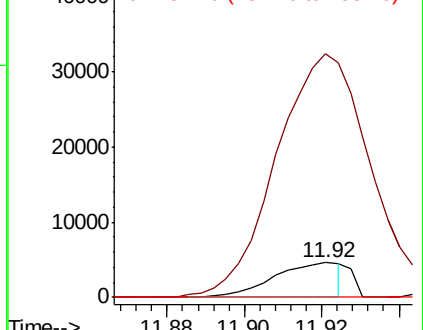
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VN057147.D

Acq: 9 Aug 2019 15:26

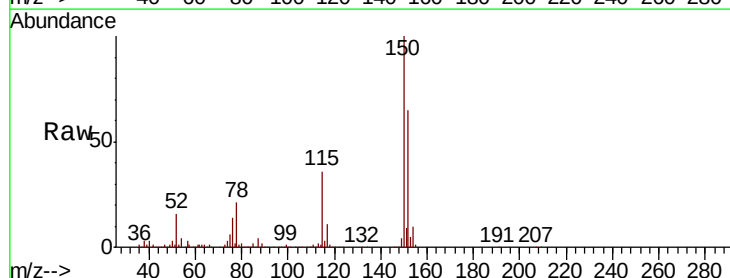
Tgt Ion:152 Resp: 641505

Ion Ratio Lower Upper

152 100

115 55.3 27.5 82.5

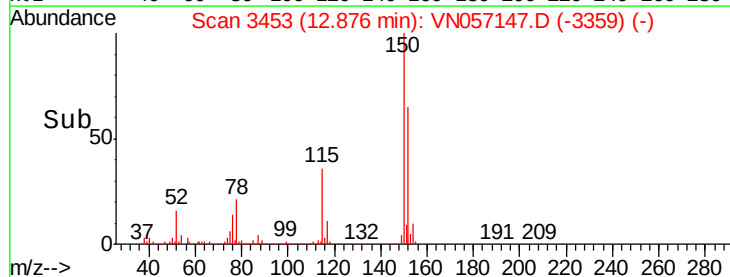
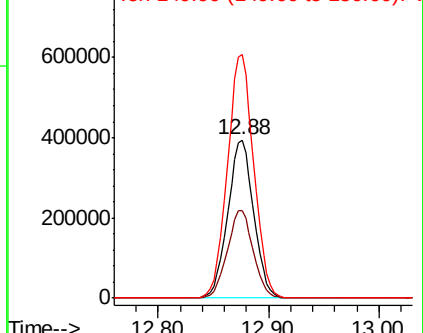
150 156.2 0.0 341.6

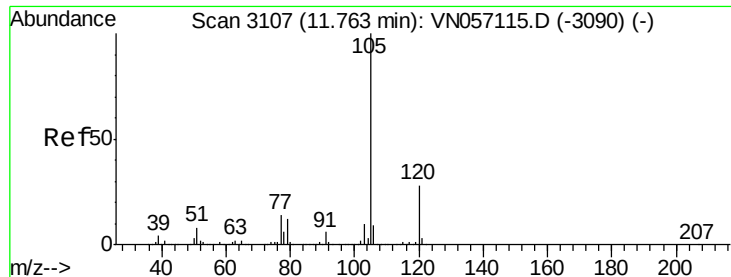


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

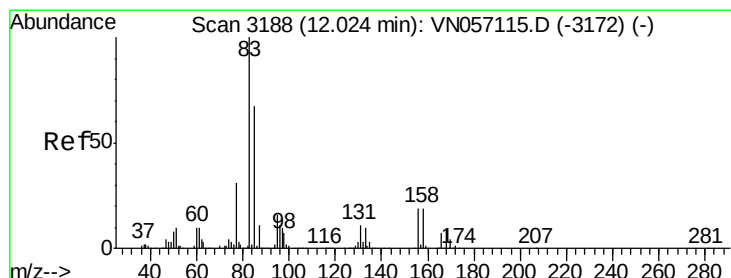
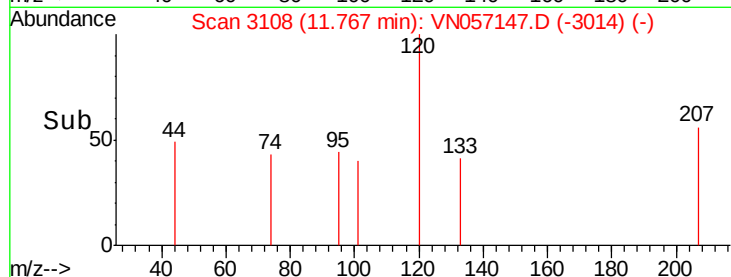
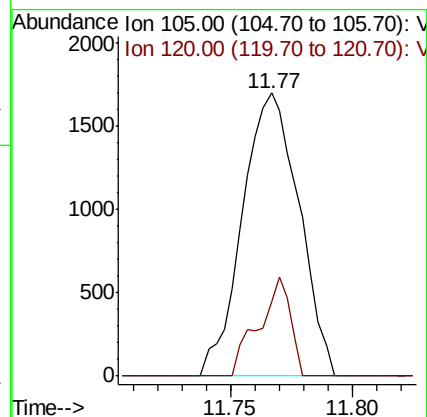
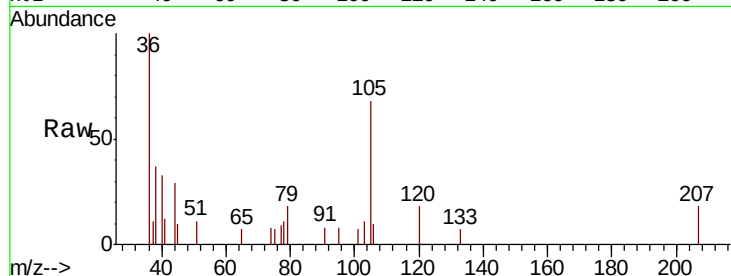
MW-23S_080719

Tgt Ion: 105 Resp: 2731

Ion Ratio Lower Upper

105 100

120 19.6 13.7 41.0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

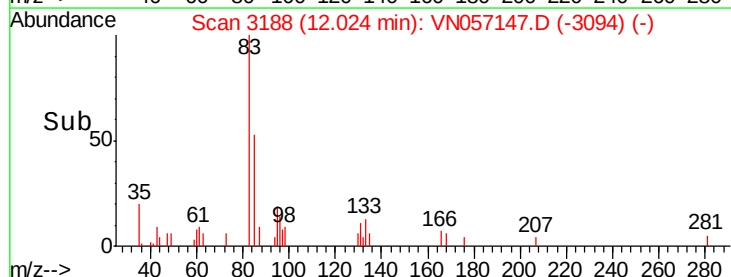
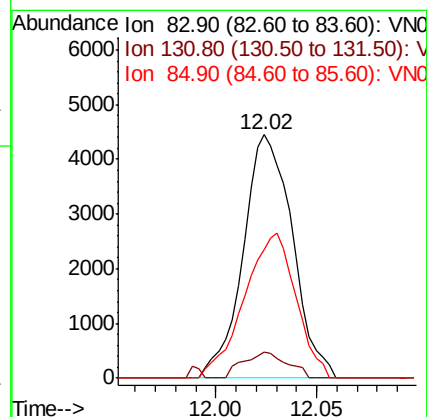
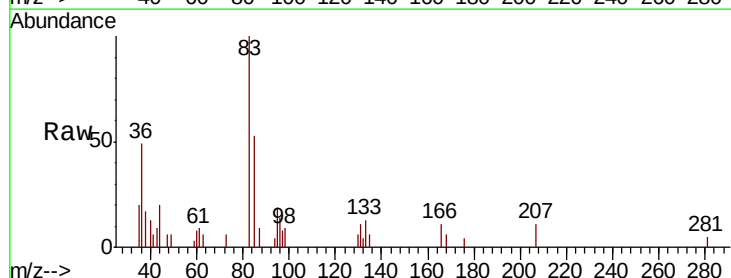
Tgt Ion: 83 Resp: 7607

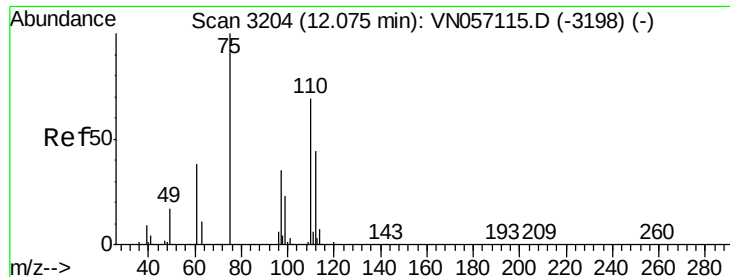
Ion Ratio Lower Upper

83 100

131 9.7 5.5 16.4

85 62.1 32.4 97.0





#76

1,2,3-Trichloropropane

Concen: 26.833 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.15 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

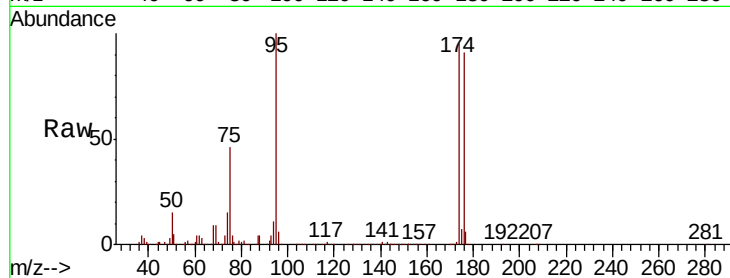
MW-23S_080719

Tgt Ion: 75 Resp: 353174

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

250000

200000

150000

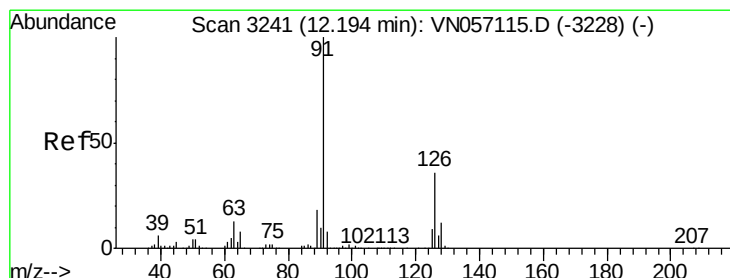
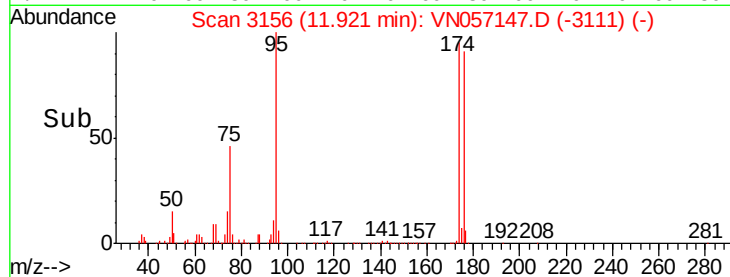
100000

50000

0

11.85 11.90 11.95 12.00

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.19 min Scan# 3239

Delta R.T. -0.01 min

Lab File: VN057147.D

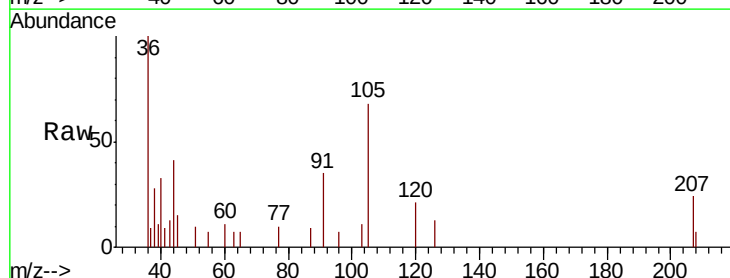
Acq: 9 Aug 2019 15:26

Tgt Ion: 91 Resp: 1284

Ion Ratio Lower Upper

91 100

126 22.4 18.1 54.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

800

600

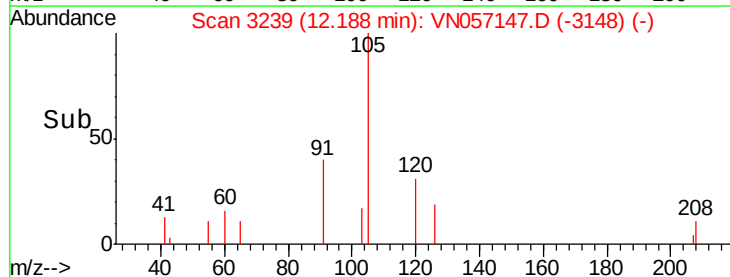
400

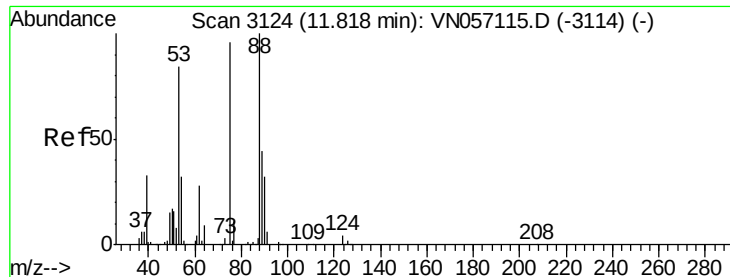
200

0

12.16 12.18 12.20 12.22

Time-->

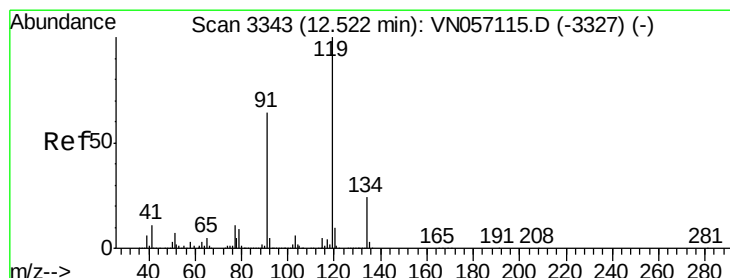
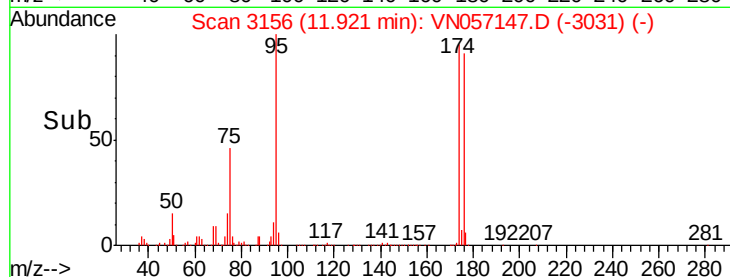
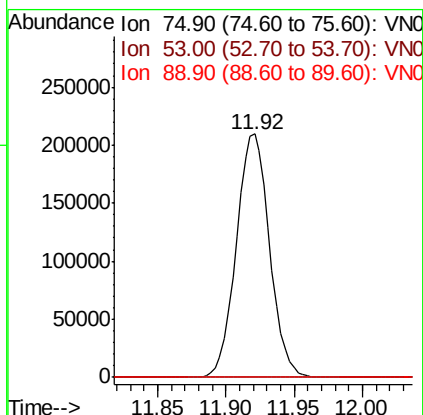
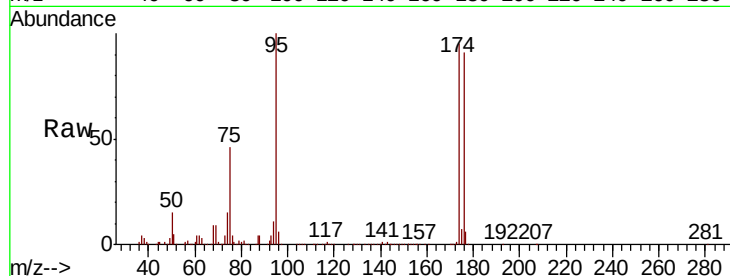




#81
trans-1,4-Dichloro-2-butene
Concen: 80.949 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.10 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

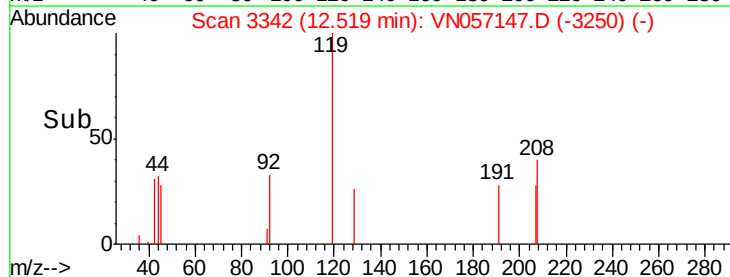
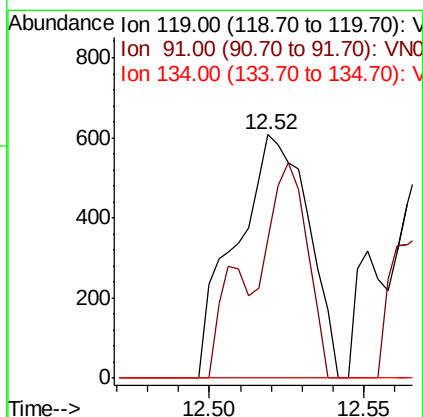
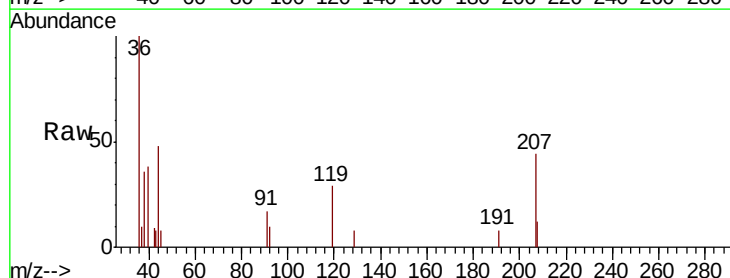
Instrument :
MSVOA_N
ClientSampleId :
MW-23S_080719

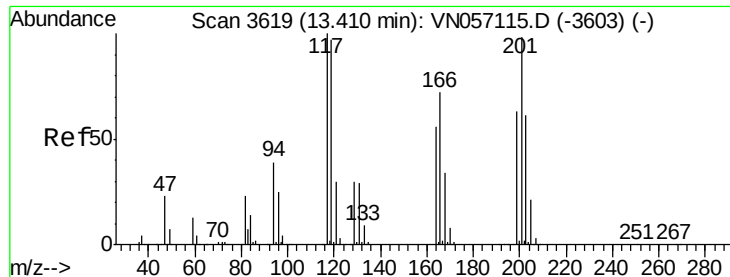
Tgt Ion: 75 Resp: 353174
Ion Ratio Lower Upper
75 100
53 0.0 70.6 106.0#
89 0.0 36.4 54.6#



#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN057147.D
Acq: 9 Aug 2019 15:26

Tgt Ion: 119 Resp: 996
Ion Ratio Lower Upper
119 100
91 49.5 31.4 94.2
134 0.0 13.2 39.6#





#90

Hexachloroethane

Concen: 0.827 ug/l

RT: 13.41 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

Instrument :

MSVOA_N

ClientSampleId :

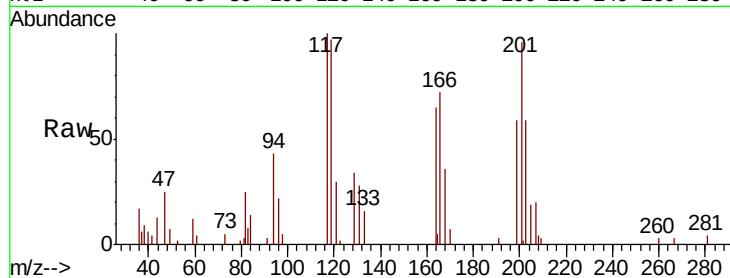
MW-23S_080719

Tgt Ion:117 Resp: 13813

Ion Ratio Lower Upper

117 100

201 90.5 49.3 147.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.41

8000

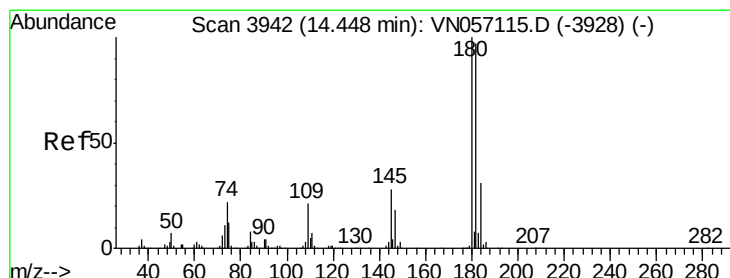
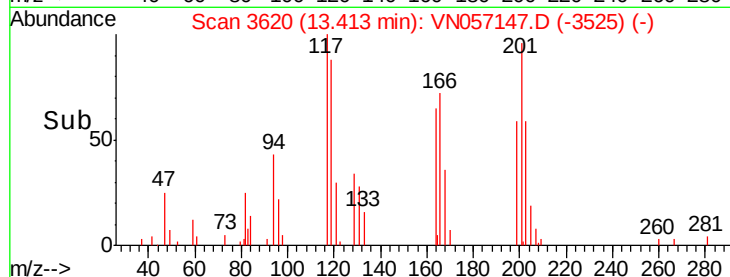
6000

4000

2000

0

Time--> 13.35 13.40 13.45



#93

1,2,4-Trichlorobenzene

Concen: 5.961 ug/l

RT: 14.45 min Scan# 3941

Delta R.T. -0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

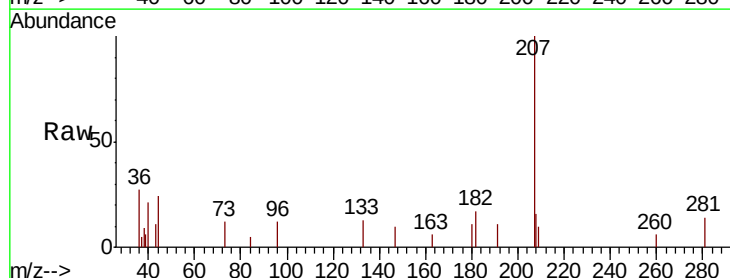
Tgt Ion:180 Resp: 321

Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.6#

145 0.0 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

800

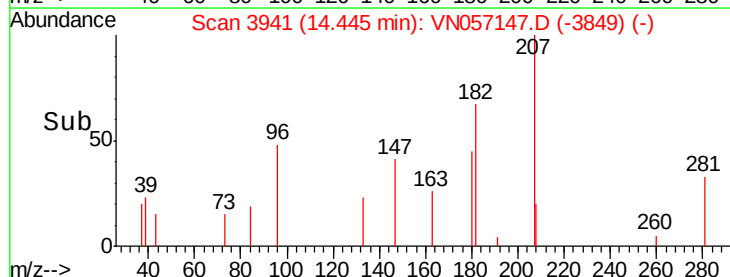
600

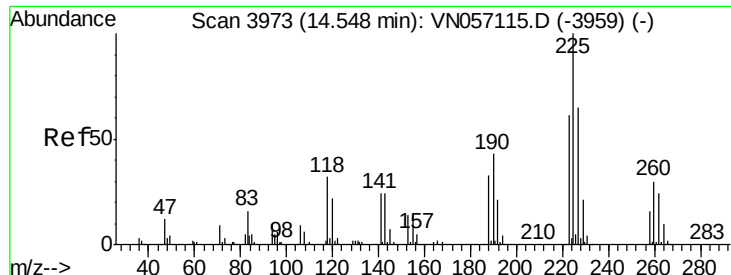
400

200

0

Time--> 14.43 14.44 14.45





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 14.55 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

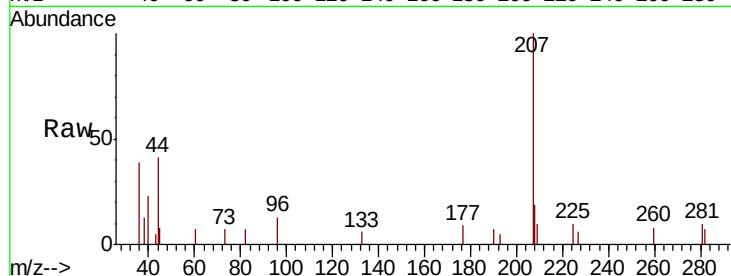
Instrument :

MSVOA_N

ClientSampleId :

MW-23S_080719

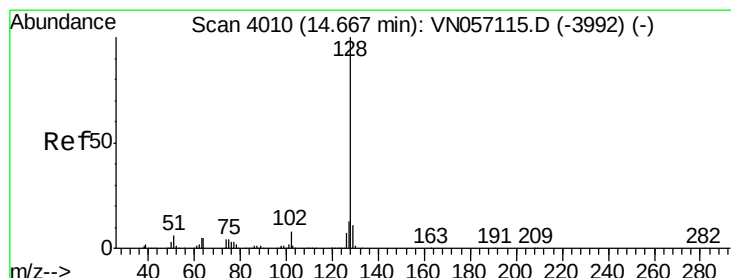
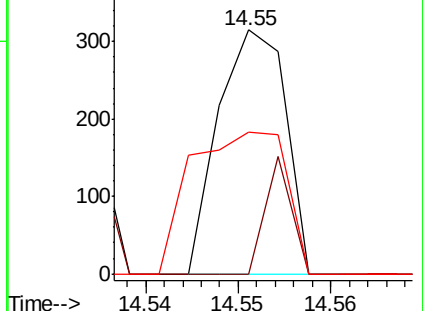
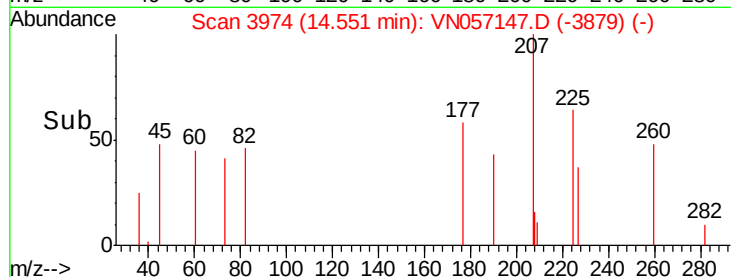
Tgt Ion:	225	Resp:	158
Ion	Ratio	Lower	Upper
225	100		
223	18.4	30.9	92.8#
227	82.3	32.4	97.0



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: 2.950 ug/l

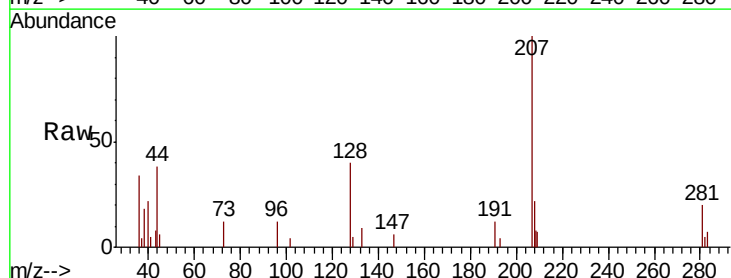
RT: 14.67 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VN057147.D

Acq: 9 Aug 2019 15:26

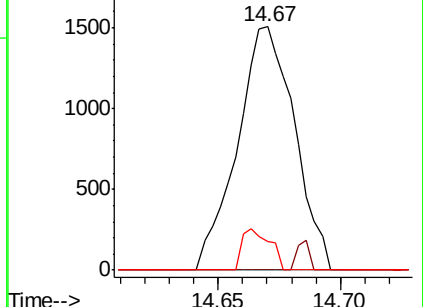
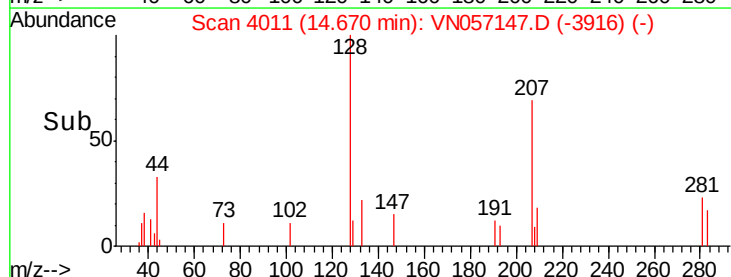
Tgt Ion:	128	Resp:	2449
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	8.2	8.8	13.2#

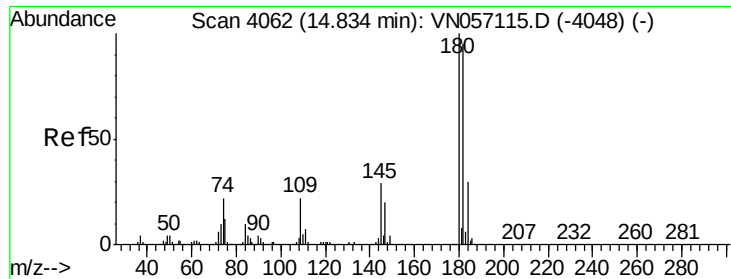


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

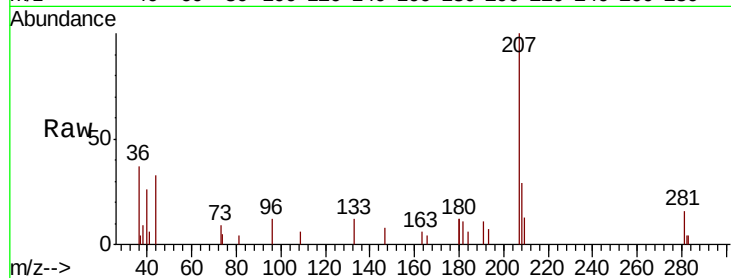




#96
 1,2,3-Trichlorobenzene
 Concen: 5.787 ug/l
 RT: 14.83 min Scan# 4062
 Delta R.T. 0.00 min
 Lab File: VN057147.D
 Acq: 9 Aug 2019 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-23S_080719

Tgt Ion	Ratio	Lower	Upper
180	100		
182	110.8	48.3	144.8
145	20.8	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

