

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058555.D
 Acq On : 4 Oct 2019 20:34
 Operator : JC/SP
 Sample : K5197-10 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 23:42:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	421416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	674133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	596803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	250321	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	301649	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
35) Dibromofluoromethane	7.57	113	210330	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	10.08	98	871197	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
62) 4-Bromofluorobenzene	12.41	95	288506	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	

Target Compounds

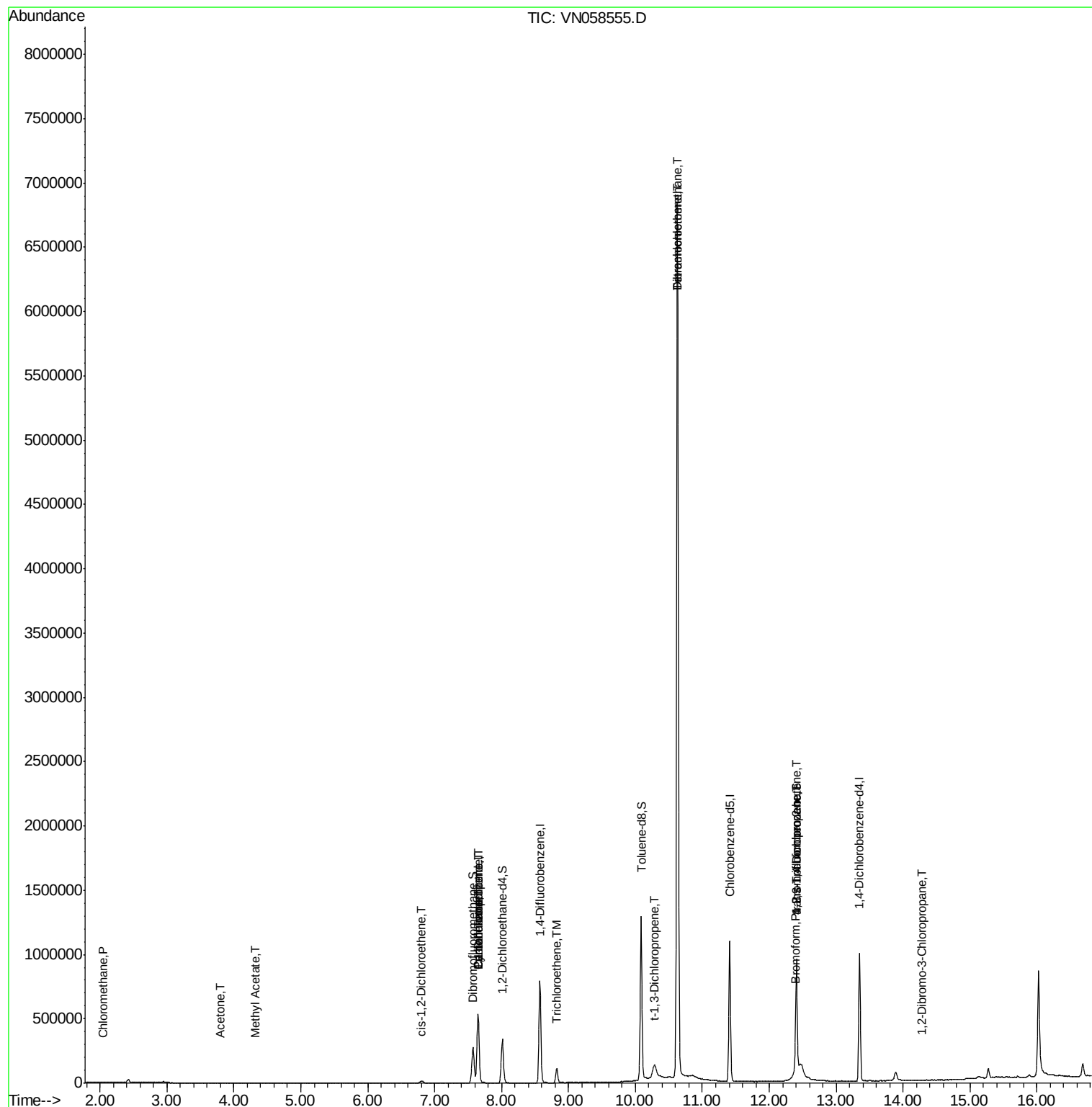
						Qvalue
3) Chloromethane	2.04	50	1789	0.352	ug/l #	85
16) Acetone	3.79	43	623	0.297	ug/l #	47
18) Methyl Acetate	4.31	43	1336	0.253	ug/l #	53
27) cis-1,2-Dichloroethene	6.81	96	4547	0.880	ug/l	95
31) Cyclohexane	7.64	56	10041	1.178	ug/l #	11
36) 1,1-Dichloropropene	7.64	75	35827	5.558	ug/l #	51
38) Carbon Tetrachloride	7.65	117	43097	7.407	ug/l #	16
44) Trichloroethene	8.82	130	39336	8.598	ug/l	95
53) t-1,3-Dichloropropene	10.28	75	5070	0.781	ug/l #	1
60) Dibromochloromethane	10.63	129	1428626	327.946	ug/l #	11
64) Tetrachloroethene	10.63	164	1494445	394.138	ug/l	99
71) Bromoform	12.38	173	71	0.720	ug/l #	29
76) 1,2,3-Trichloropropane	12.41	75	160060	35.008	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	160060	106.323	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.28	75	386	0.400	ug/l #	5

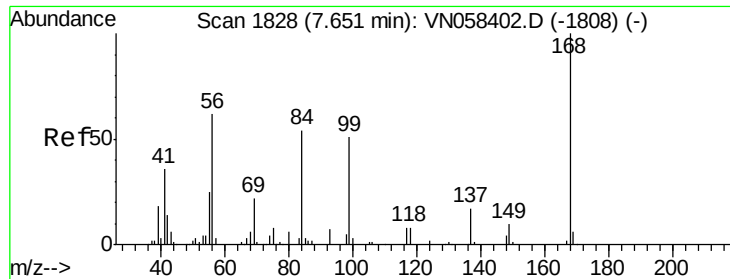
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058555.D

Acq: 4 Oct 2019 20:34

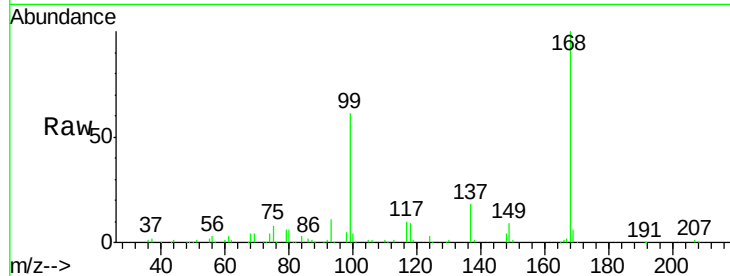
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 421416

Ion Ratio Lower Upper

168 100

99 61.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

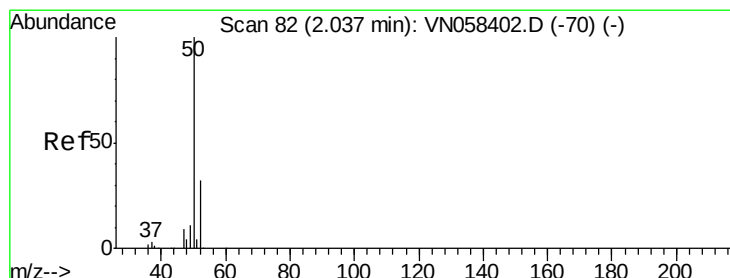
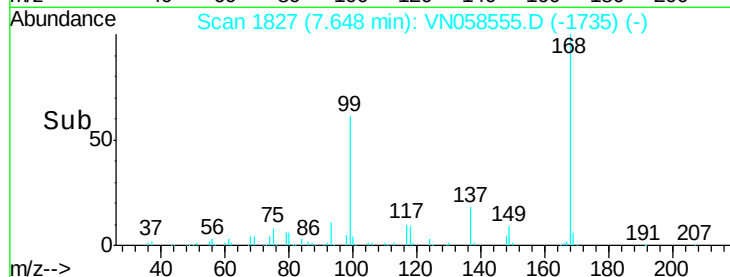
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.352 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058555.D

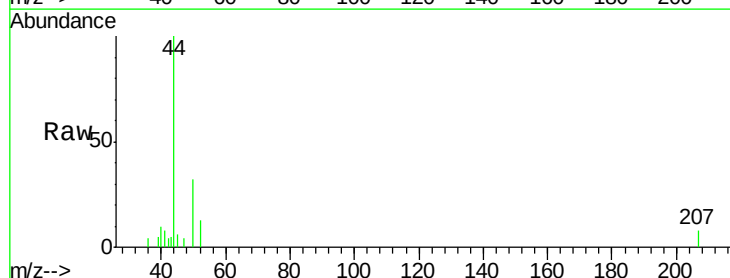
Acq: 4 Oct 2019 20:34

Tgt Ion: 50 Resp: 1789

Ion Ratio Lower Upper

50 100

52 40.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

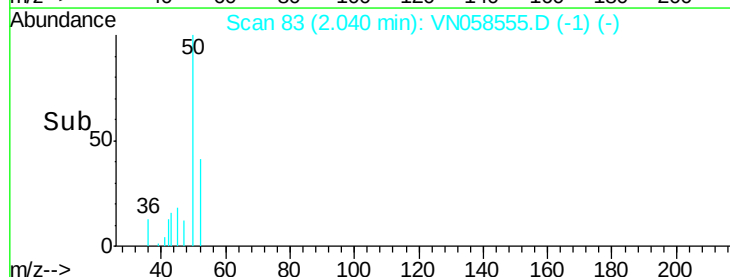
2.04

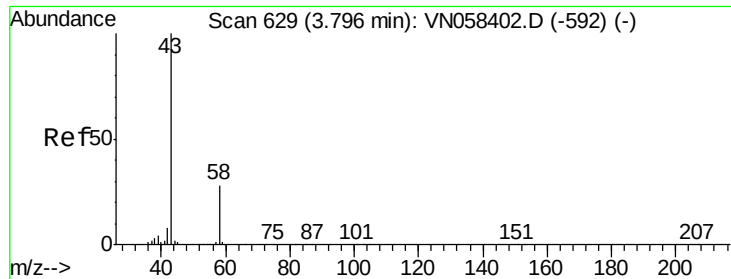
1000

500

0

Time--> 2.00 2.02 2.04 2.06 2.08

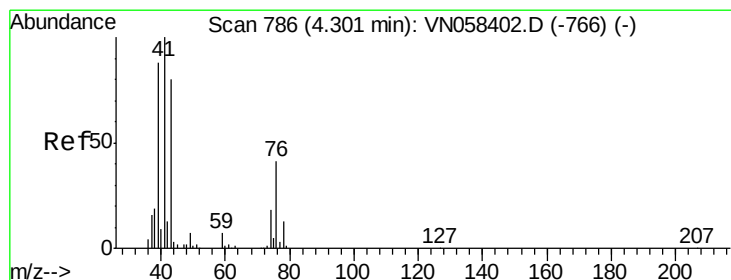
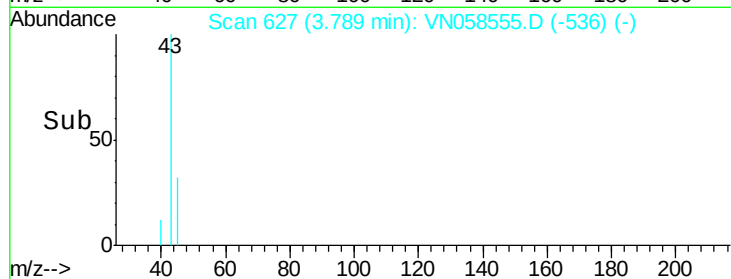
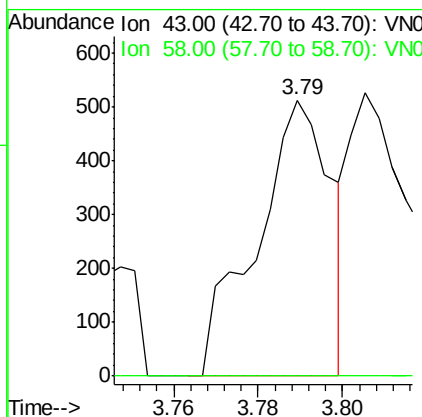
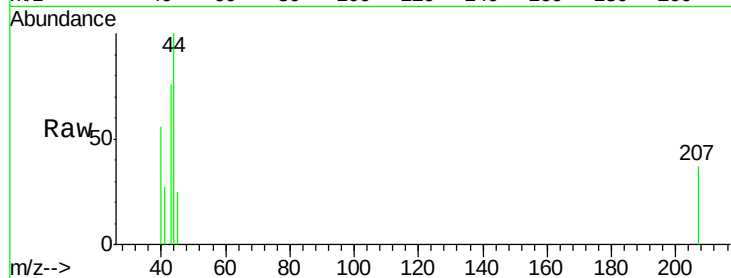




#16
Acetone
Concen: 0.297 ug/l
RT: 3.79 min Scan# 627
Delta R.T. -0.01 min
Lab File: VN058555.D
Acq: 4 Oct 2019 20:34

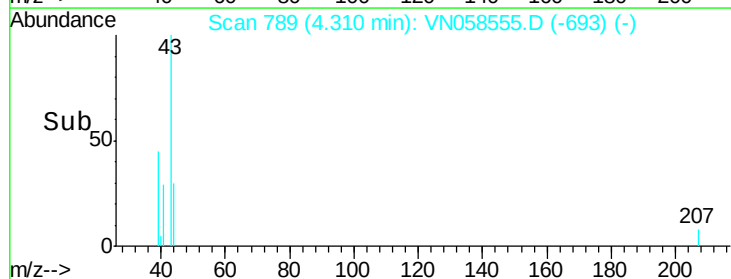
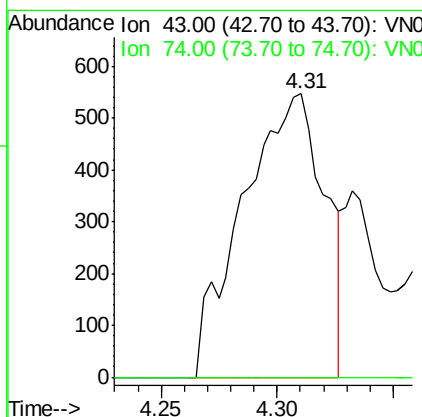
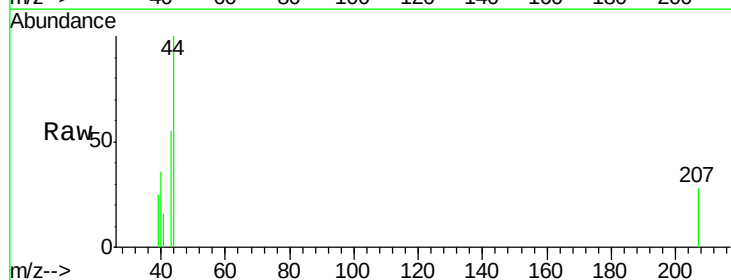
Instrument :
MSVOA_N
ClientSampled :

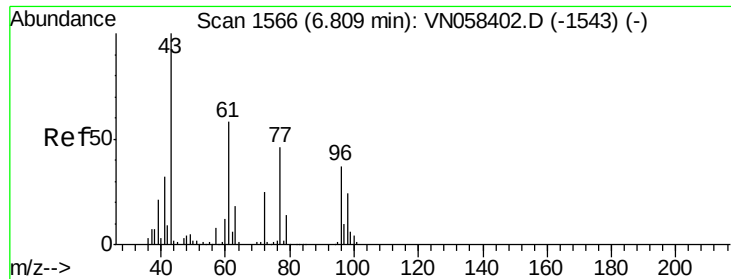
Tot Ion: 43 Resp: 623
Ion Ratio Lower Upper
43 100
58 0.0 22.4 33.6#



#18
Methyl Acetate
Concen: 0.253 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN058555.D
Acq: 4 Oct 2019 20:34

Tgt Ion: 43 Resp: 1336
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#





#27

cis-1,2-Dichloroethene

Concen: 0.880 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN058555.D

Acq: 4 Oct 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

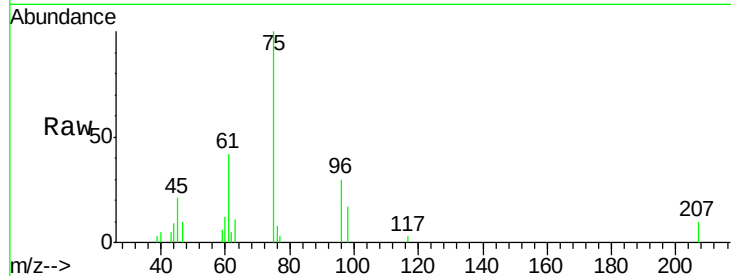
Tot Ion: 96 Resp: 4547

Ion Ratio Lower Upper

96 100

61 152.8 0.0 318.8

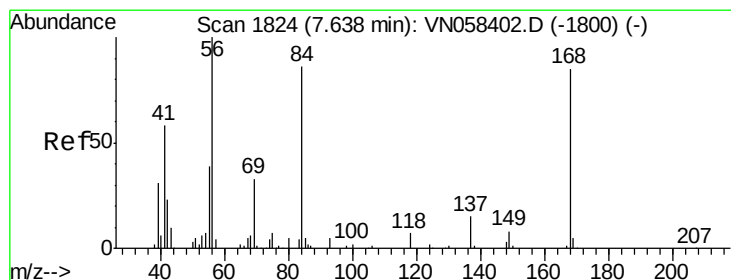
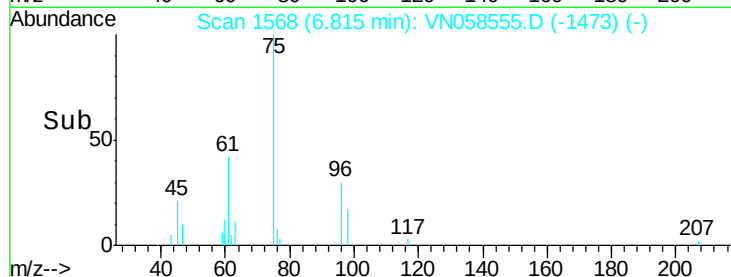
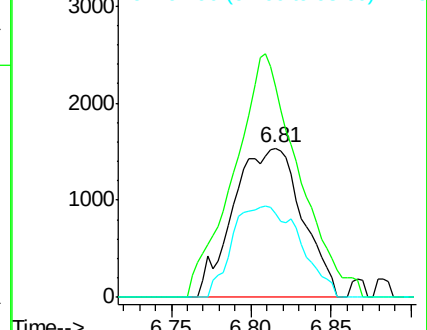
98 60.0 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 1.178 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058555.D

Acq: 4 Oct 2019 20:34

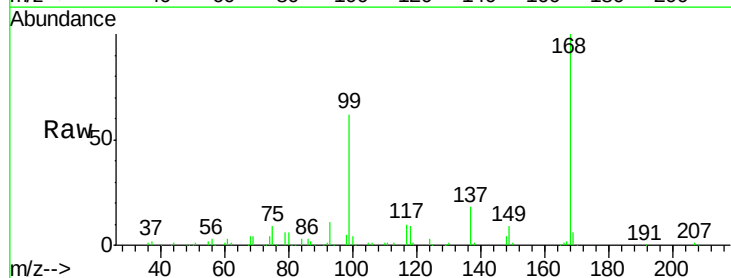
Tgt Ion: 56 Resp: 10041

Ion Ratio Lower Upper

56 100

69 154.2 26.2 39.4#

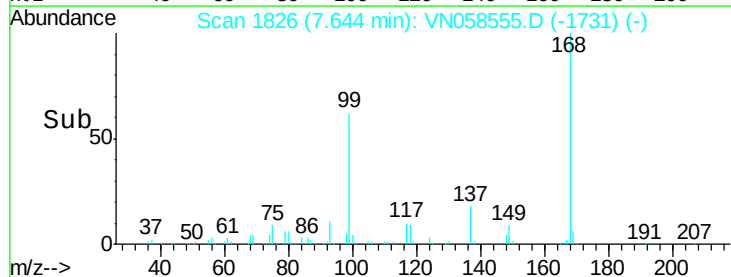
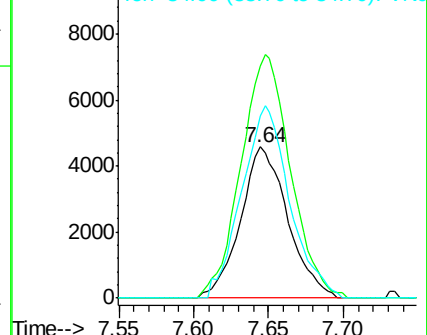
84 120.6 67.6 101.4#

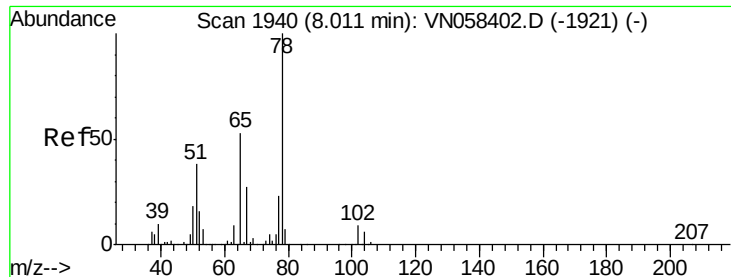


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

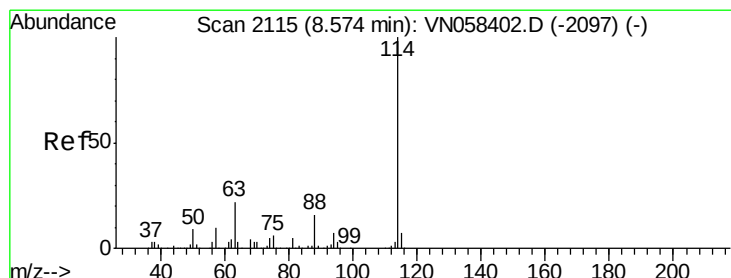
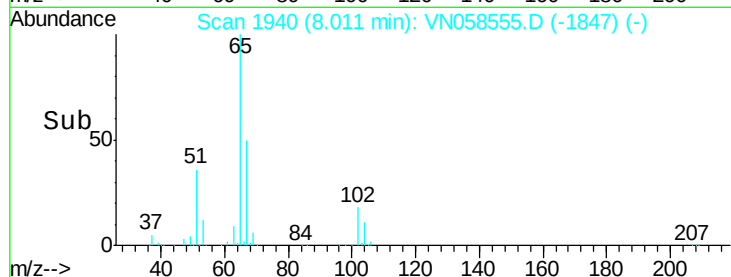
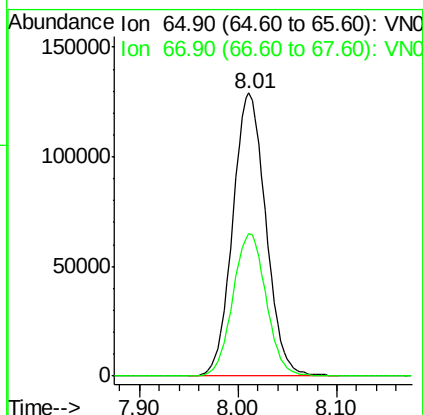
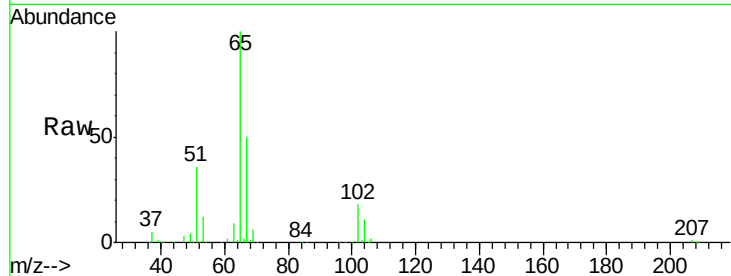




#33
 1,2-Dichloroethane-d4
 Concen: 48.982 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058555.D
 Acq: 4 Oct 2019 20:34

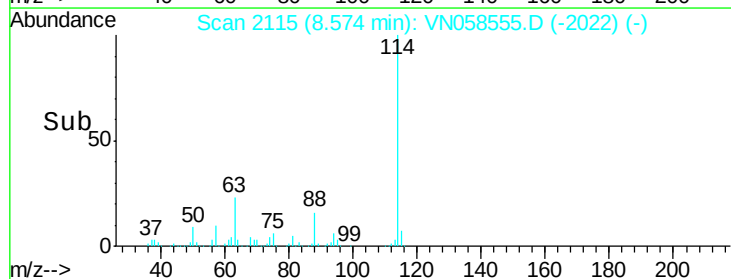
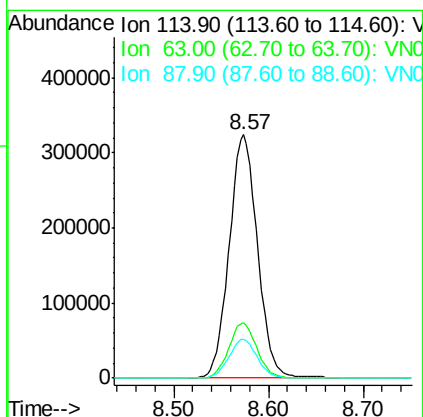
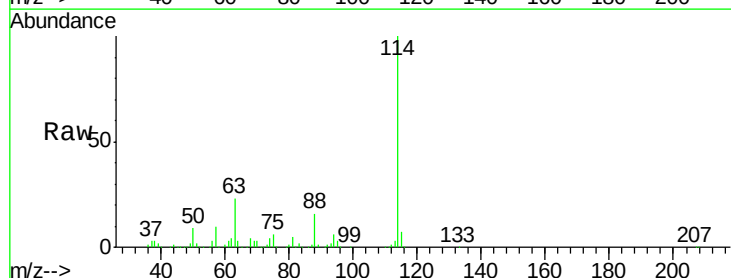
Instrument :
 MSVOA_N
 ClientSampled :

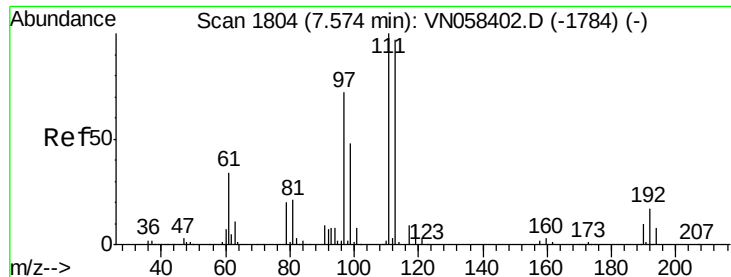
Tot Ion: 65 Resp: 301649
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058555.D
 Acq: 4 Oct 2019 20:34

Tgt Ion: 114 Resp: 674133
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.0
 88 16.2 0.0 32.2

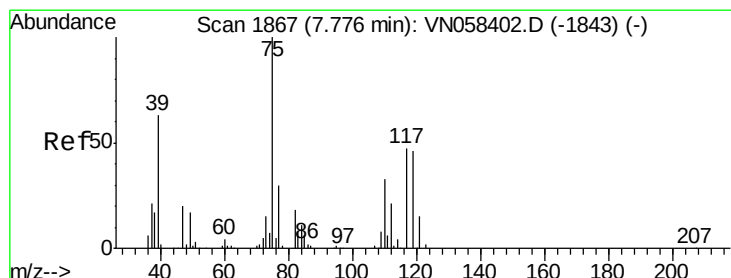
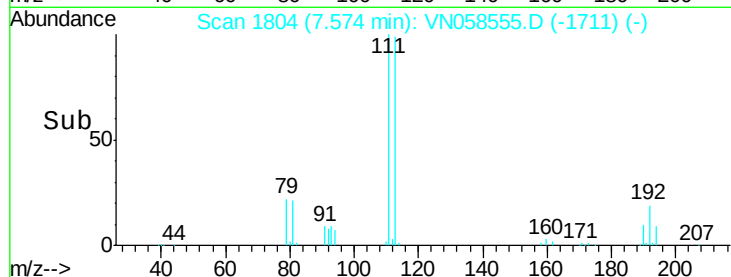
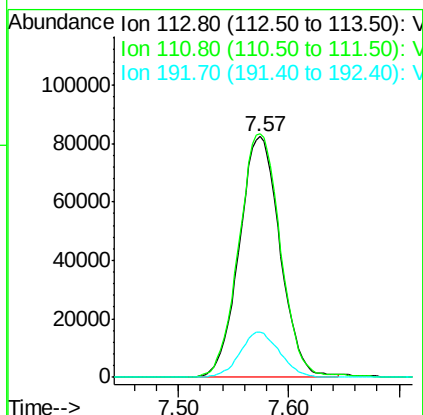
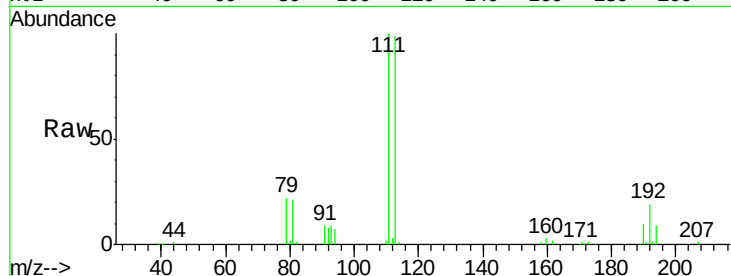




#35
 Dibromofluoromethane
 Concen: 50.907 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058555.D
 Acq: 4 Oct 2019 20:34

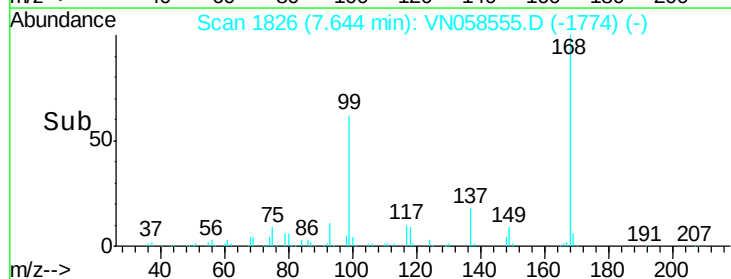
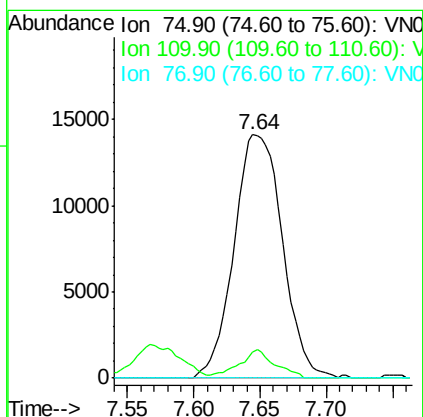
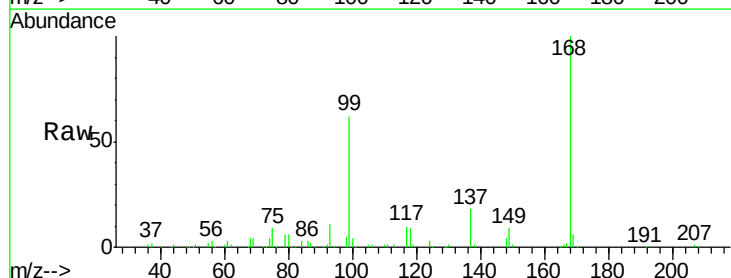
Instrument :
 MSVOA_N
 ClientSampleId :

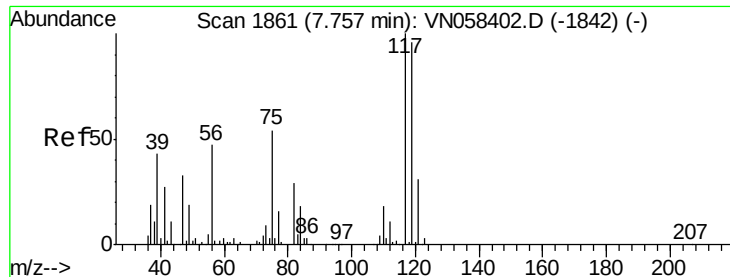
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.4	125.2
192	18.6	14.9	22.3



#36
 1,1-Dichloropropene
 Concen: 5.558 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058555.D
 Acq: 4 Oct 2019 20:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.4	49.2#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 7.407 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058555.D

Acq: 4 Oct 2019 20:34

Instrument :

MSVOA_N

ClientSampleId :

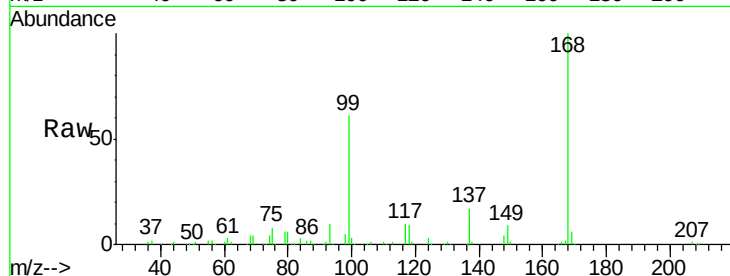
Tot Ion:117 Resp: 43097

Ion Ratio Lower Upper

117 100

119 5.1 76.6 115.0#

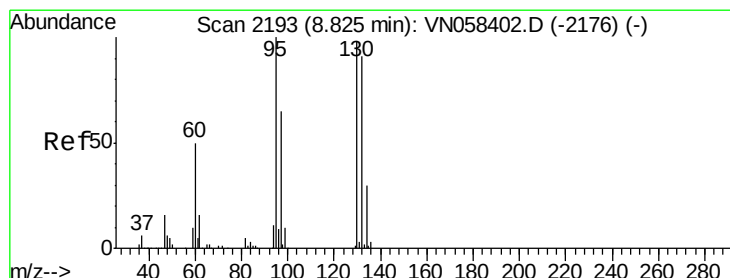
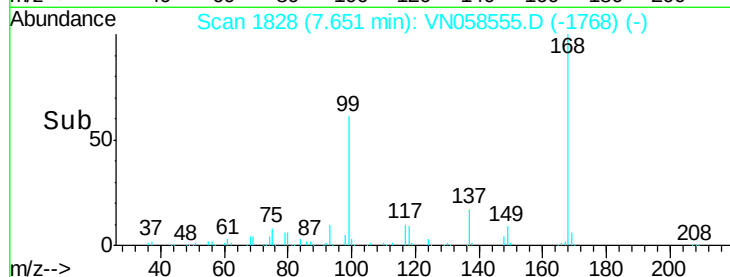
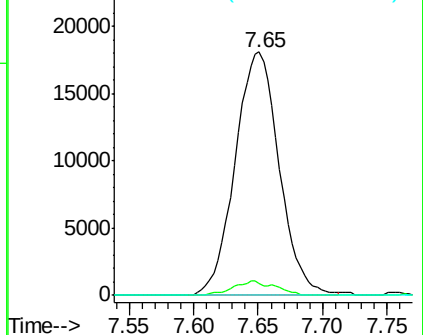
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 8.598 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058555.D

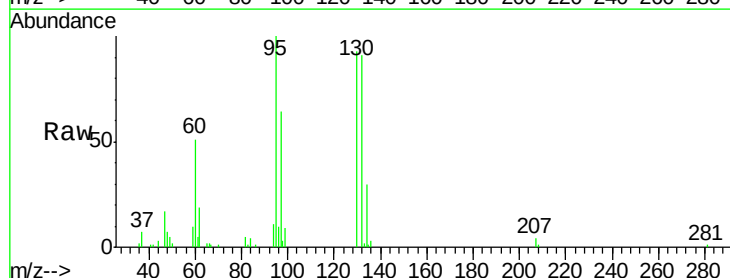
Acq: 4 Oct 2019 20:34

Tgt Ion:130 Resp: 39336

Ion Ratio Lower Upper

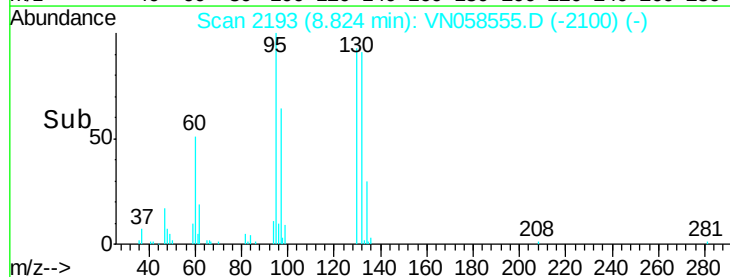
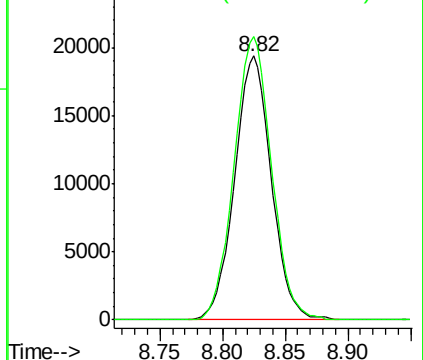
130 100

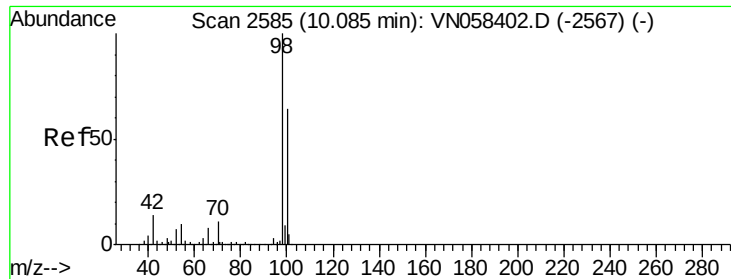
95 107.2 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 53.826 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058555.D

Acq: 4 Oct 2019 20:34

Instrument :

MSVOA_N

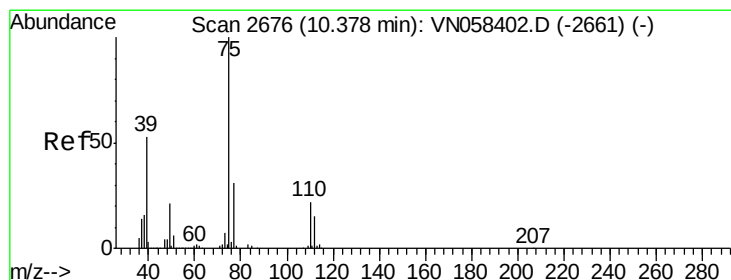
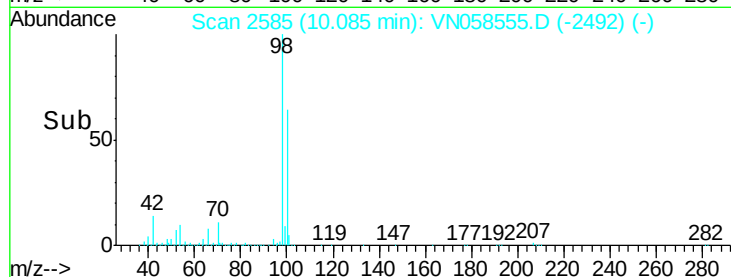
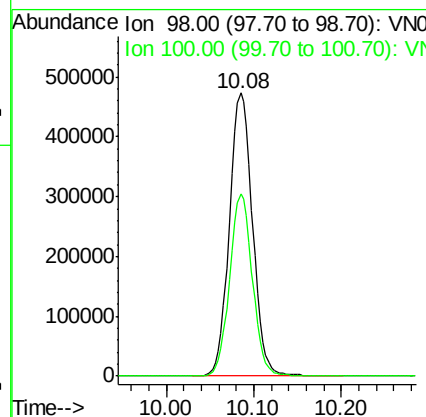
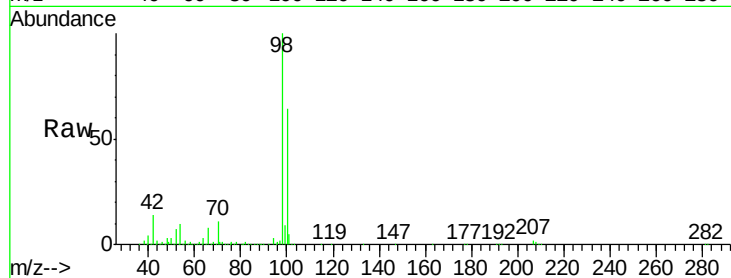
ClientSampleId :

Tot Ion: 98 Resp: 871197

Ion Ratio Lower Upper

98 100

100 63.5 51.0 76.6



#53

t-1,3-Dichloropropene

Concen: 0.781 ug/l

RT: 10.28 min Scan# 2647

Delta R.T. -0.09 min

Lab File: VN058555.D

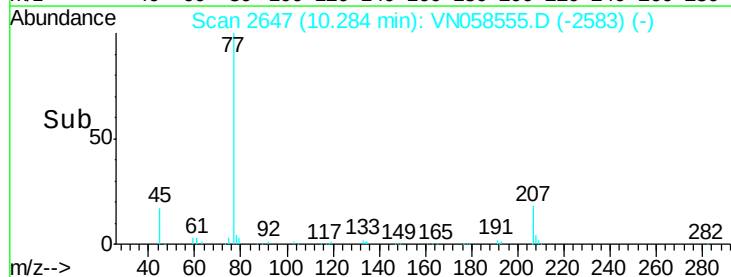
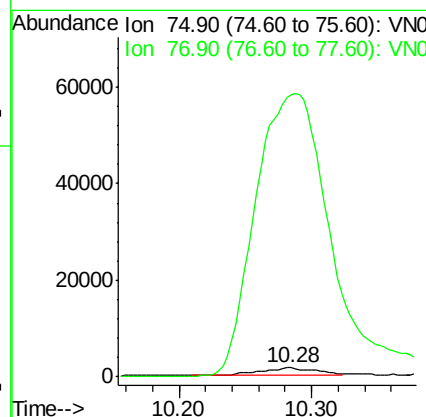
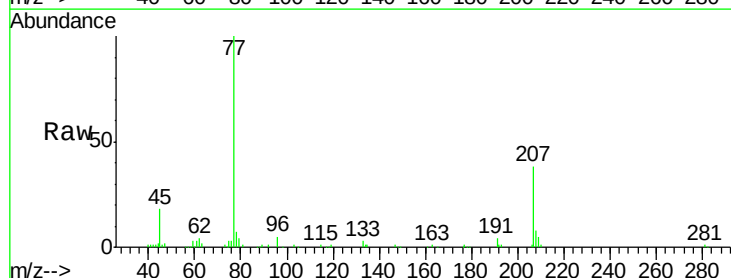
Acq: 4 Oct 2019 20:34

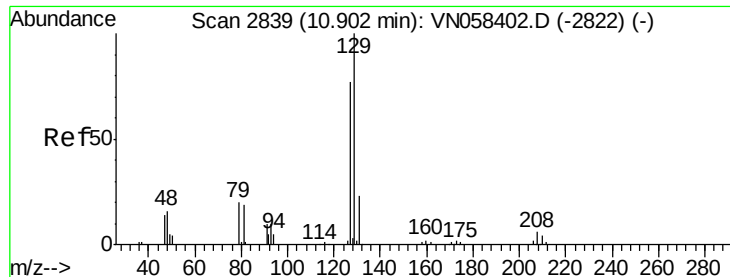
Tgt Ion: 75 Resp: 5070

Ion Ratio Lower Upper

75 100

77 3493.9 25.2 37.8#





#60

Dibromochloromethane

Concen: 327.946 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058555.D

Acq: 4 Oct 2019 20:34

Instrument :

MSVOA_N

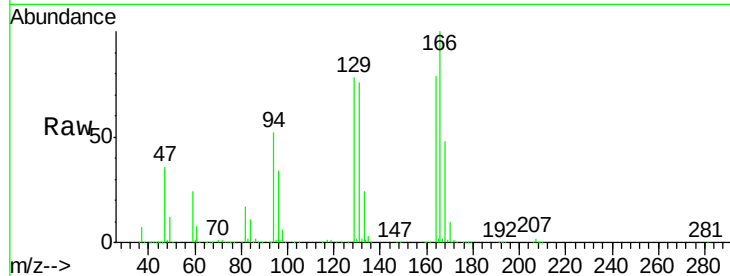
ClientSampled :

Tot Ion:129 Resp: 1428626

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

800000

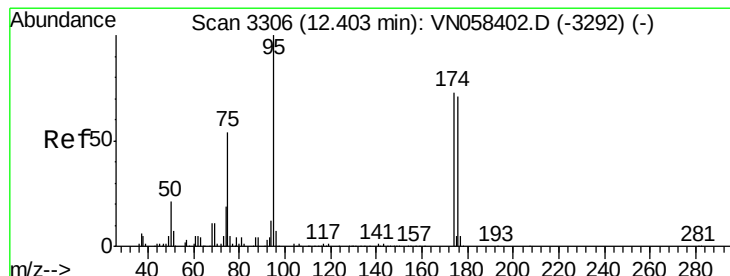
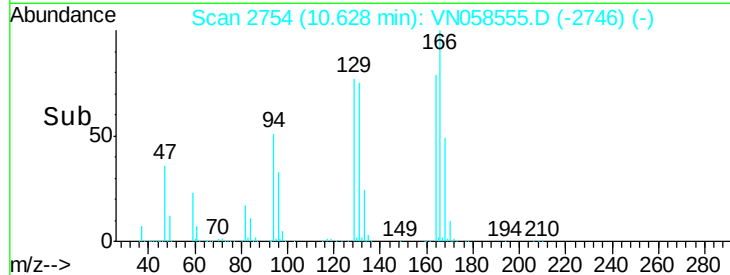
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.297 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058555.D

Acq: 4 Oct 2019 20:34

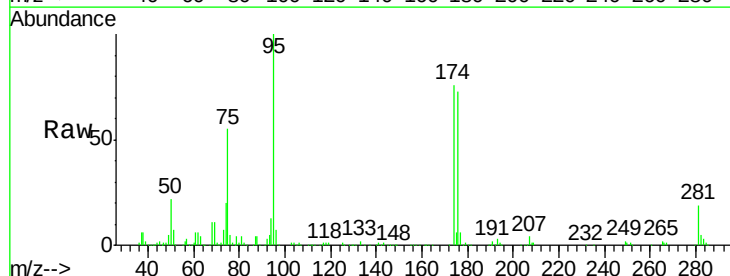
Tgt Ion: 95 Resp: 288506

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.6

176 73.9 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

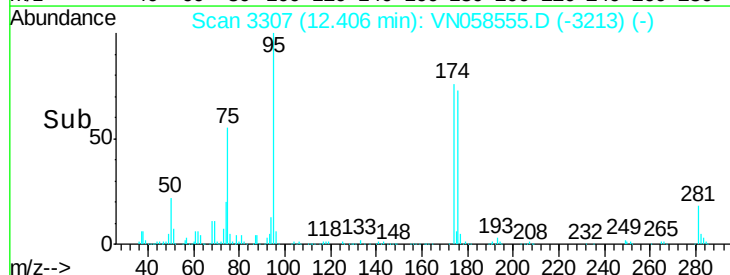
150000

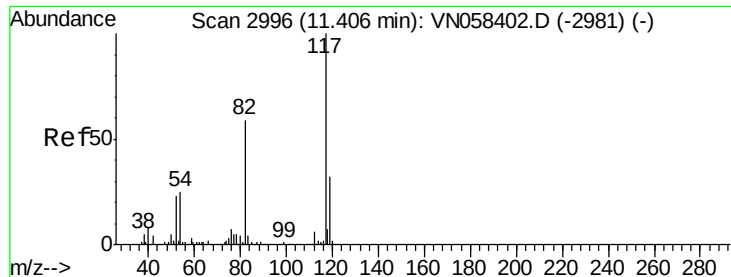
100000

50000

0

Time-->

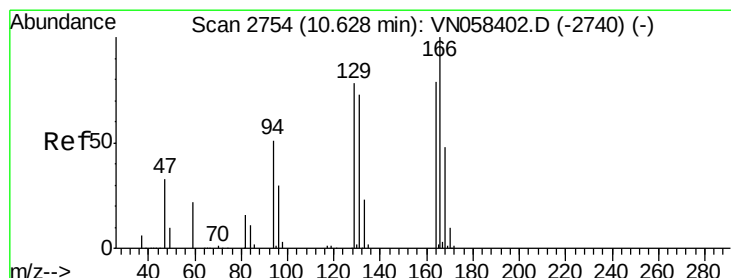
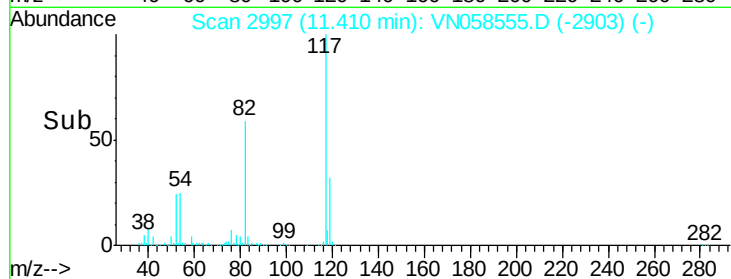
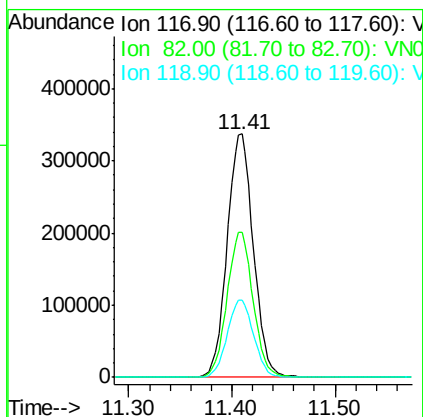
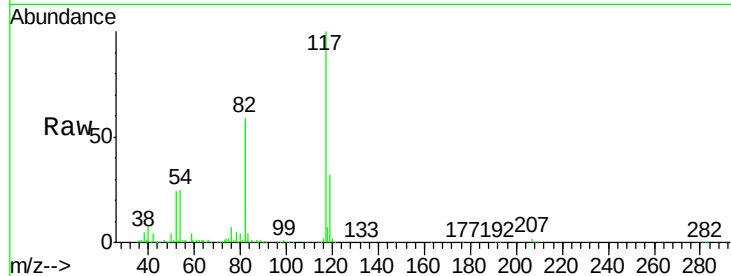




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058555.D
Acq: 4 Oct 2019 20:34

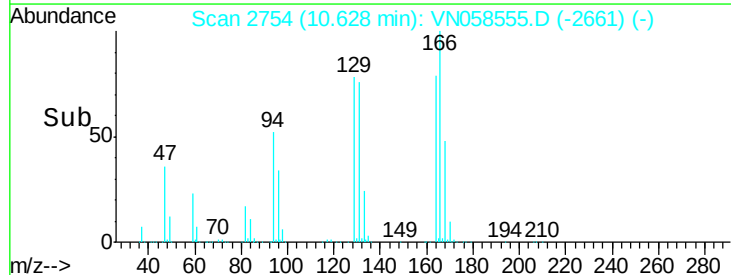
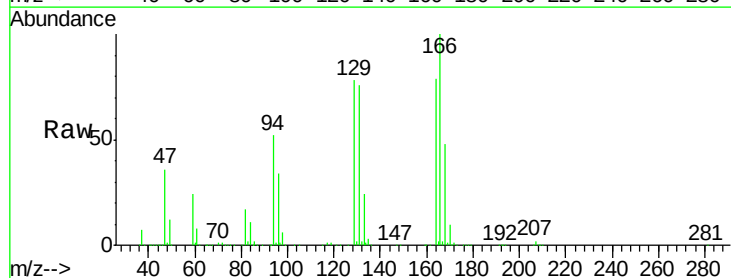
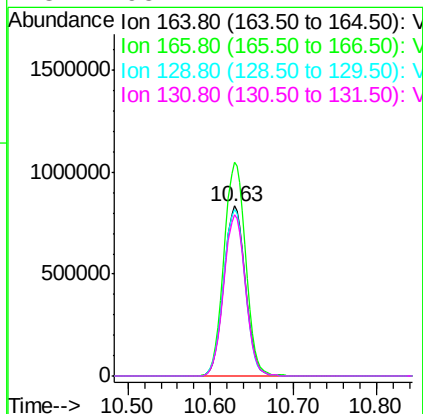
Instrument :
MSVOA_N
ClientSampleId :

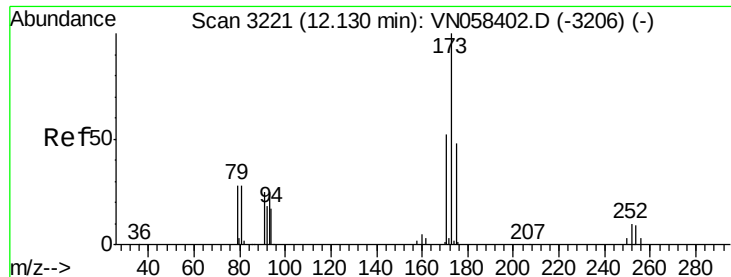
Tot Ion:117 Resp: 596803
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.0
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 394.138 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058555.D
Acq: 4 Oct 2019 20:34

Tgt Ion:164 Resp: 1494445
Ion Ratio Lower Upper
164 100
166 125.9 101.1 151.7
129 98.3 79.2 118.8
131 95.2 74.1 111.1





#71

Bromoform

Concen: 0.720 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.25 min

Lab File: VN058555.D

Acq: 4 Oct 2019 20:34

Instrument :

MSVOA_N

ClientSampled :

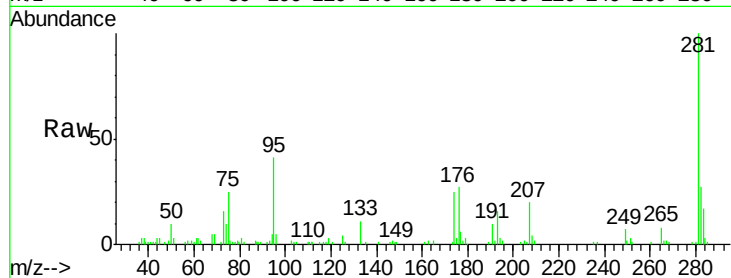
Tot Ion:173 Resp: 71

Ion Ratio Lower Upper

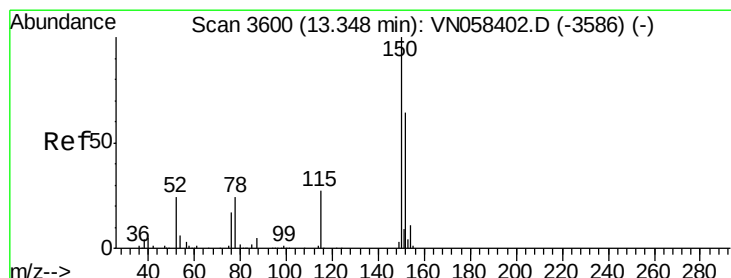
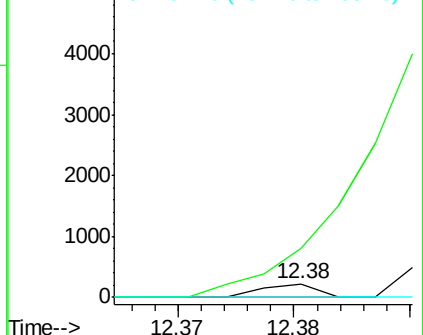
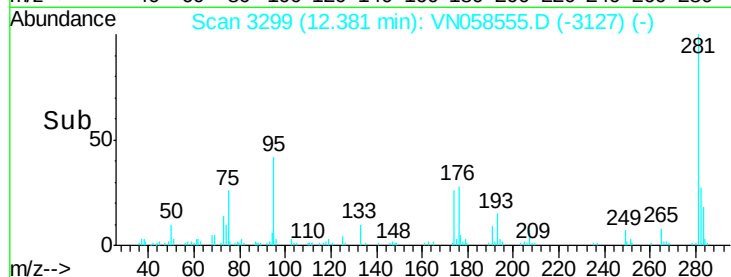
173 100

175 0.0 24.3 73.0#

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: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058555.D

Acq: 4 Oct 2019 20:34

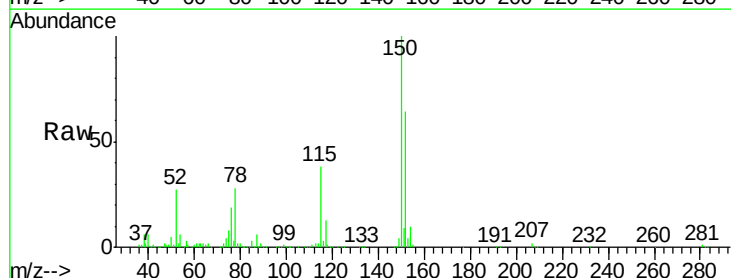
Tgt Ion:152 Resp: 250321

Ion Ratio Lower Upper

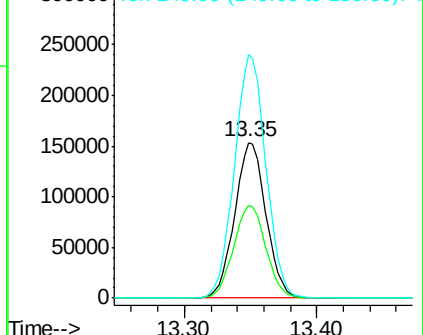
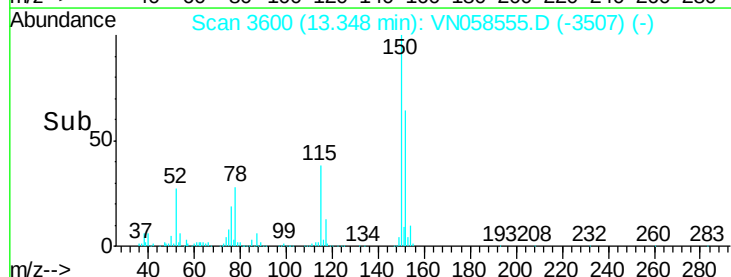
152 100

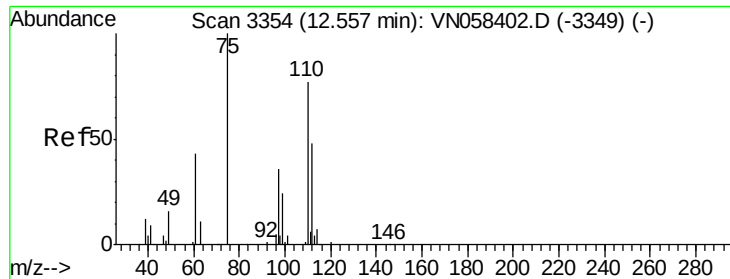
115 61.8 30.0 90.0

150 157.8 0.0 348.2



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



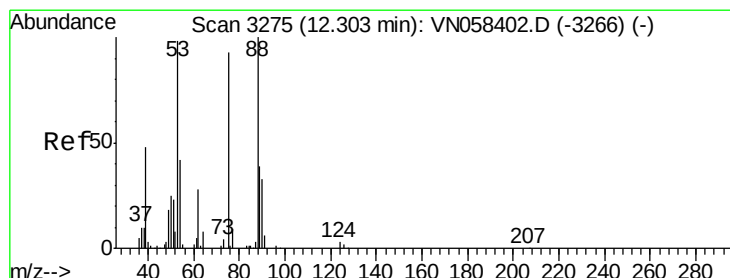
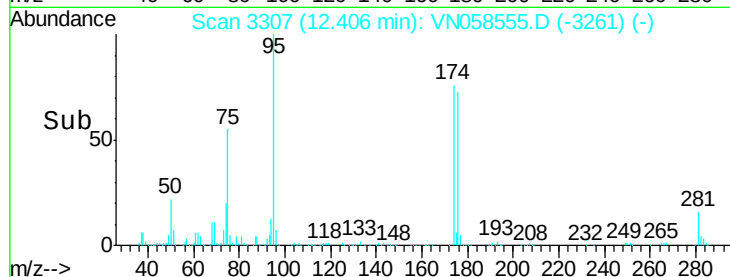
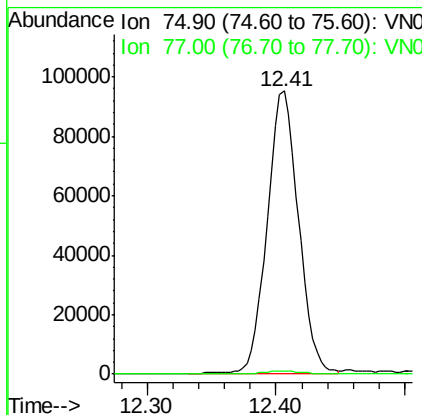
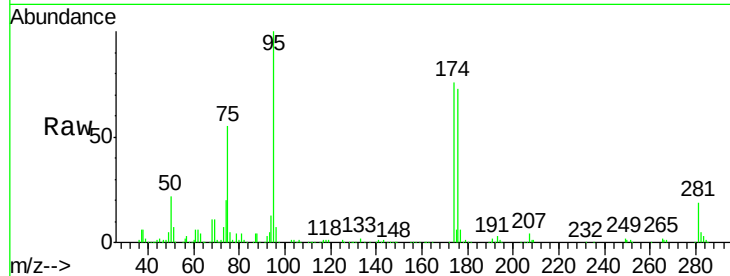


#76

1,2,3-Trichloropropane
Concen: 35.008 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.15 min
Lab File: VN058555.D
Acq: 4 Oct 2019 20:34

Instrument :
MSVOA_N
ClientSampled :

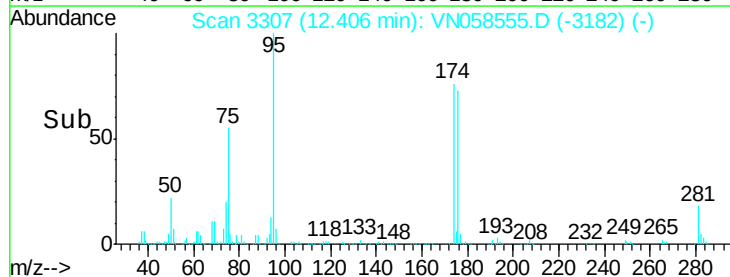
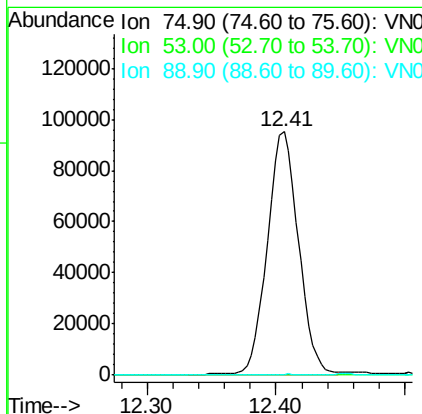
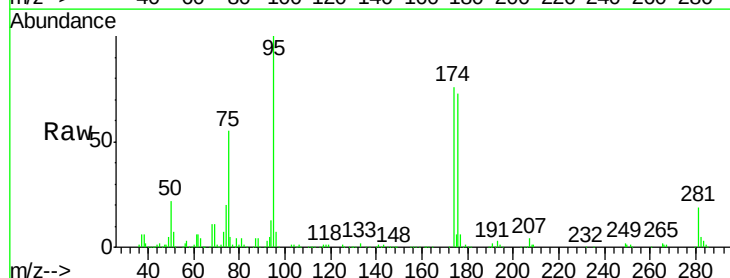
Tot Ion: 75 Resp: 160060
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

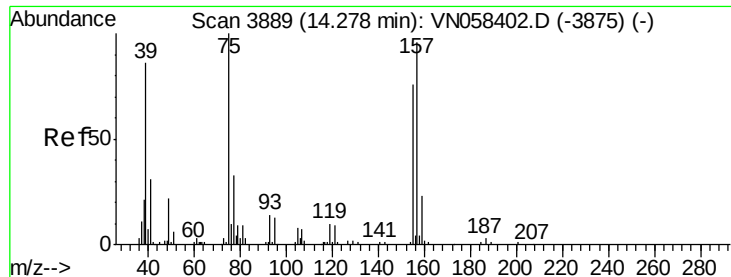


#81

trans-1,4-Dichloro-2-butene
Concen: 106.323 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN058555.D
Acq: 4 Oct 2019 20:34

Tgt Ion: 75 Resp: 160060
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.0#
89 0.2 35.0 52.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.400 ug/l
 RT: 14.28 min Scan# 3891
 Delta R.T. 0.01 min
 Lab File: VN058555.D
 Acq: 4 Oct 2019 20:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 386
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.2 117.6#
 157 0.0 48.7 146.1#

