

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058201.D
 Acq On : 19 Sep 2019 13:29
 Operator : JC/SP
 Sample : K4896-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 01:50:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	472621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	758763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	642623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259858	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	328941	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	7.57	113	226740	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	10.09	98	951264	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
62) 4-Bromofluorobenzene	12.40	95	301129	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	

Target Compounds

					Qvalue	
3) Chloromethane	2.03	50	627	Below Cal		97
4) Vinyl Chloride	2.17	62	305	Below Cal	#	43
5) Bromomethane	2.53	94	64	0.759	ug/l #	4
6) Chloroethane	2.70	64	31	Below Cal	#	44
9) 1,1,2-Trichlorotrifluoroet	3.74	101	2019	0.528	ug/l #	58
12) 1,1-Dichloroethene	3.72	96	2922	0.656	ug/l	89
13) Acrolein	3.40	56	110	0.948	ug/l #	15
14) Allyl chloride	4.03	41	9079	1.452	ug/l #	75
16) Acetone	3.81	43	3253	1.456	ug/l	94
17) Carbon Disulfide	4.02	76	322	0.349	ug/l #	74
18) Methyl Acetate	4.32	43	1209	0.206	ug/l	97
20) Methylene Chloride	4.54	84	62	Below Cal	#	25
21) trans-1,2-Dichloroethene	5.02	96	259	Below Cal	#	1
24) 1,1-Dichloroethane	5.82	63	10938	1.290	ug/l #	88
27) cis-1,2-Dichloroethene	6.82	96	10358	2.161	ug/l	90
30) Chloroform	7.35	83	1980	0.217	ug/l	86
31) Cyclohexane	7.65	56	12437	Below Cal	#	26
32) 1,1,1-Trichloroethane	7.56	97	2981	0.429	ug/l #	48
36) 1,1-Dichloropropene	7.65	75	41087	7.509	ug/l #	52
38) Carbon Tetrachloride	7.75	117	4928	0.896	ug/l #	87
39) Methylcyclohexane	8.82	83	37592	7.166	ug/l #	1
41) Methacrylonitrile	7.17	41	133	0.957	ug/l #	100
43) Isopropyl Acetate	8.21	43	18499	1.744	ug/l #	57
44) Trichloroethene	8.82	130	2830214	692.014	ug/l	99
49) 1,4-Dioxane	9.20	88	922	11.662	ug/l #	39
55) 1,1,2-Trichloroethane	10.56	97	1642	0.353	ug/l #	82
59) 2-Hexanone	10.75	43	1059	0.253	ug/l #	33
60) Dibromochloromethane	10.63	129	4650	1.040	ug/l #	11
64) Tetrachloroethene	10.63	164	4321	1.379	ug/l #	80
71) Bromoform	12.41	173	817	3.845	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	164872	35.451	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	164872	99.096	ug/l #	5
88) 1,4-Dichlorobenzene	13.36	146	1881	0.247	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.28	75	481	0.491	ug/l #	24

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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

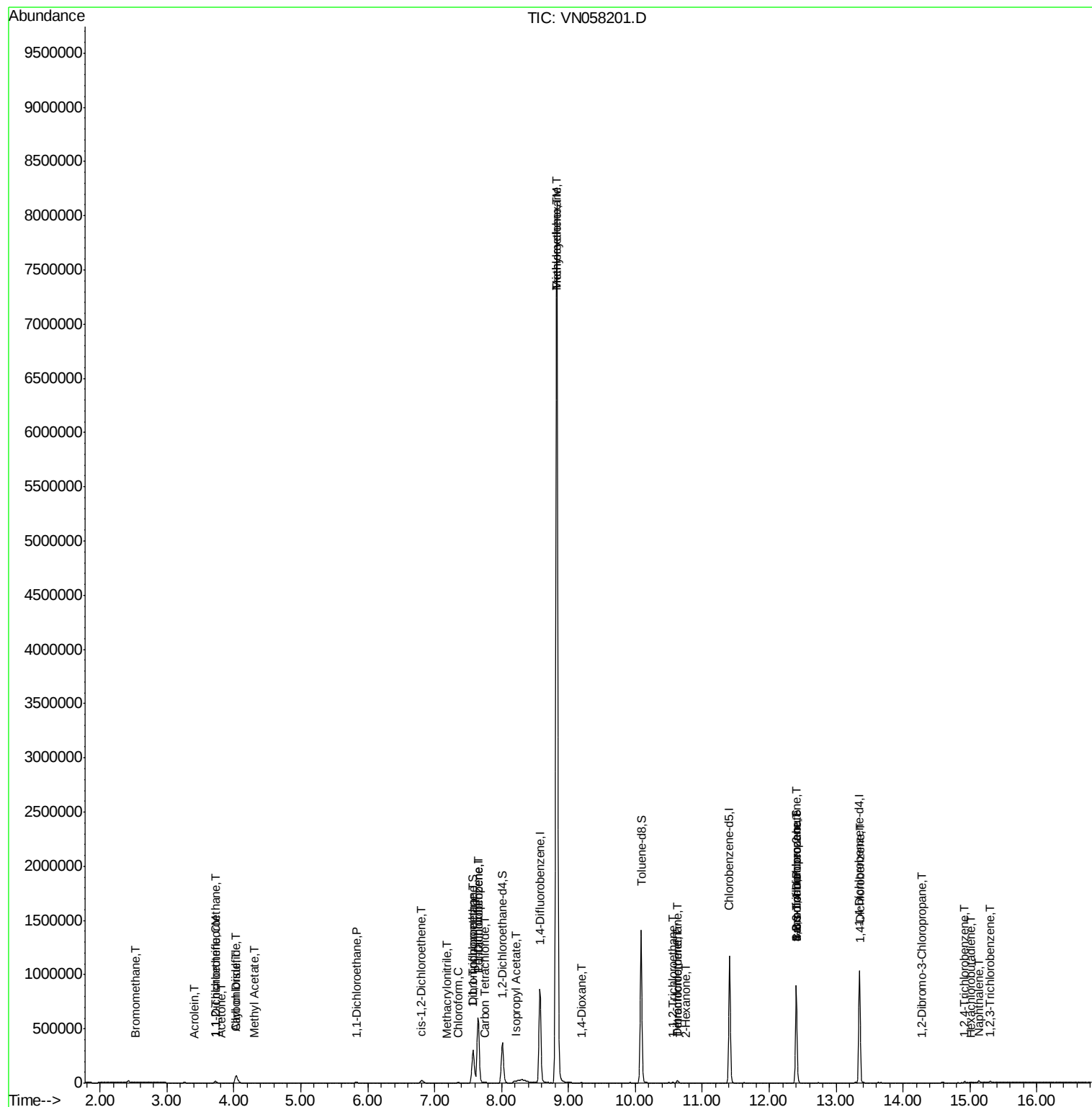
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	3595	0.751	ug/l	96
94) Hexachlorobutadiene	15.01	225	662	0.286	ug/l #	71
95) Naphthalene	15.13	128	15438	1.244	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	4235	0.936	ug/l	96

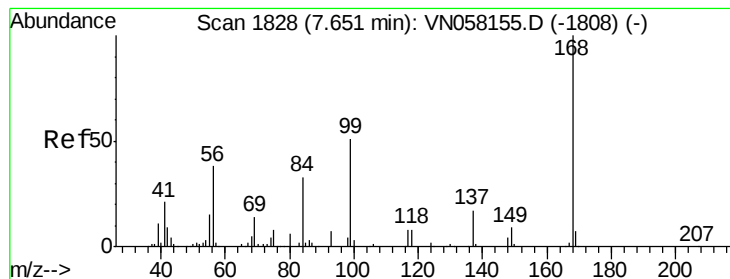
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

Instrument :

MSVOA_N

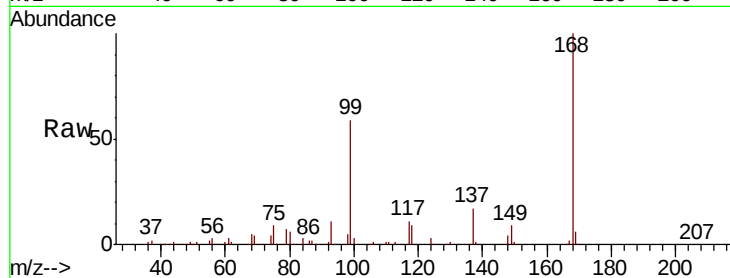
ClientSampleId :

Tot Ion:168 Resp: 472621

Ion Ratio Lower Upper

168 100

99 59.3 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

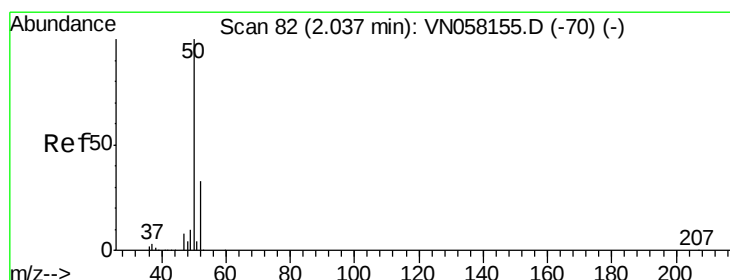
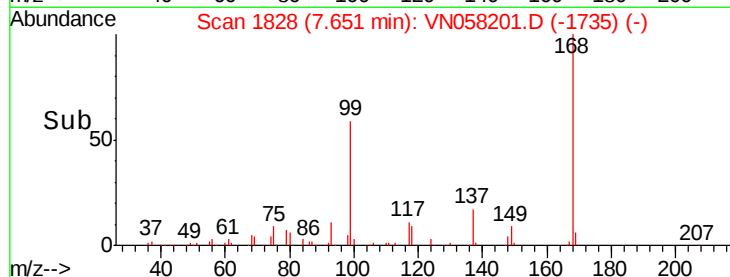
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058201.D

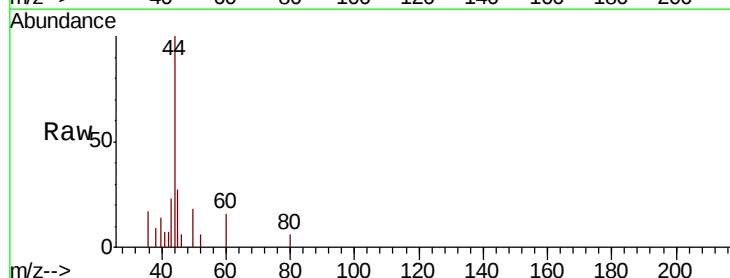
Acq: 19 Sep 2019 13:29

Tgt Ion: 50 Resp: 627

Ion Ratio Lower Upper

50 100

52 31.3 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

600

500

400

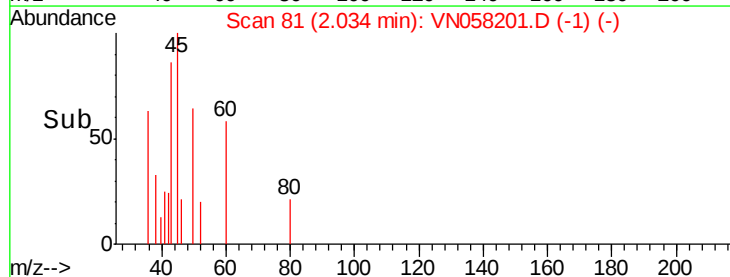
300

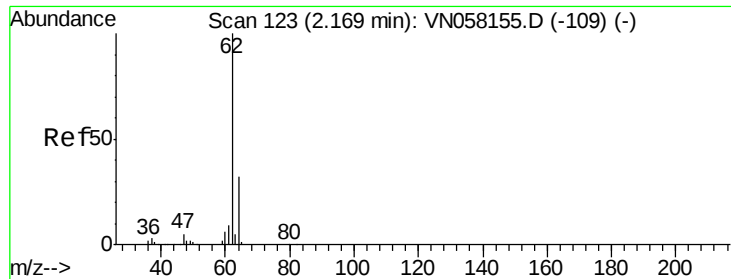
200

100

0

Time-->





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

Instrument :

MSVOA_N

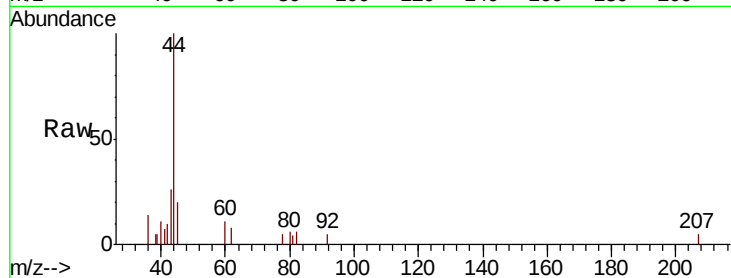
ClientSampled :

Tot Ion: 62 Resp: 305

Ion Ratio Lower Upper

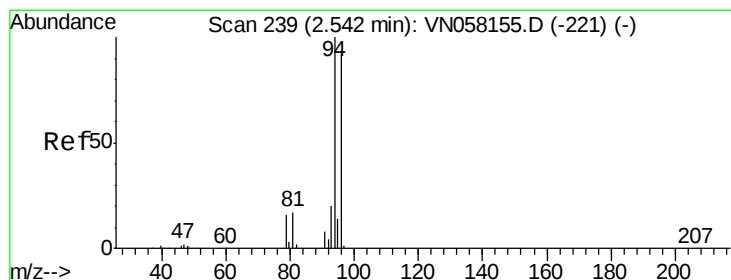
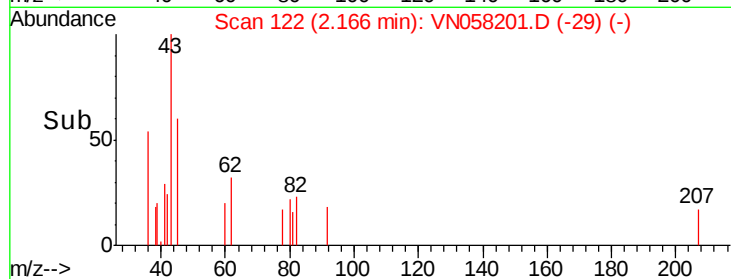
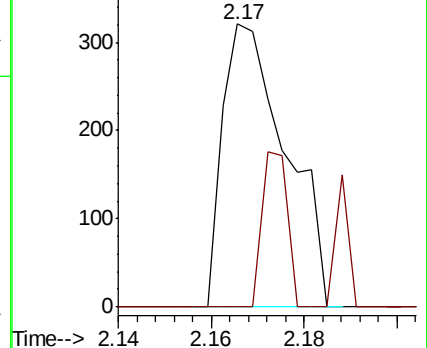
62 100

64 0.0 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#5

Bromomethane

Concen: 0.759 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN058201.D

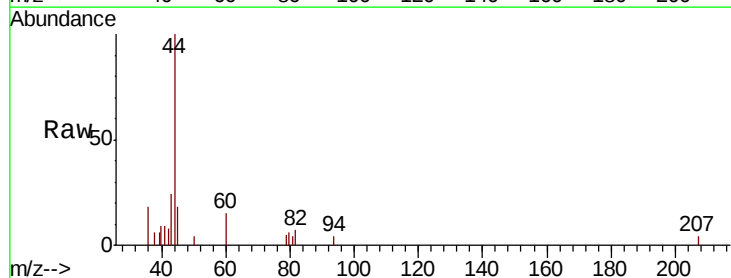
Acq: 19 Sep 2019 13:29

Tgt Ion: 94 Resp: 64

Ion Ratio Lower Upper

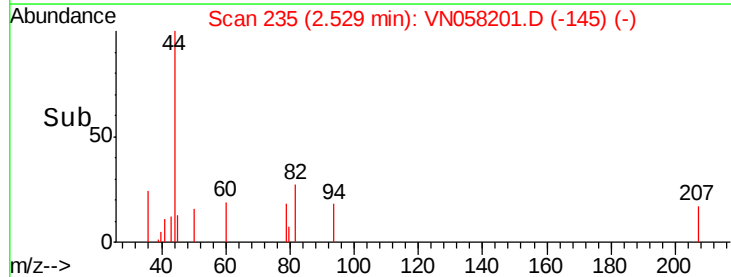
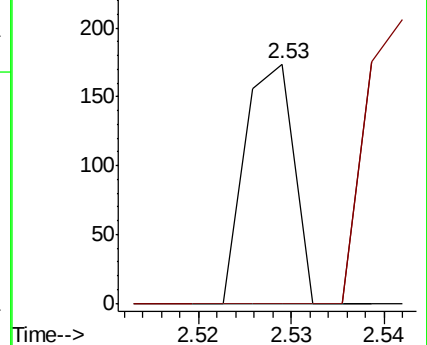
94 100

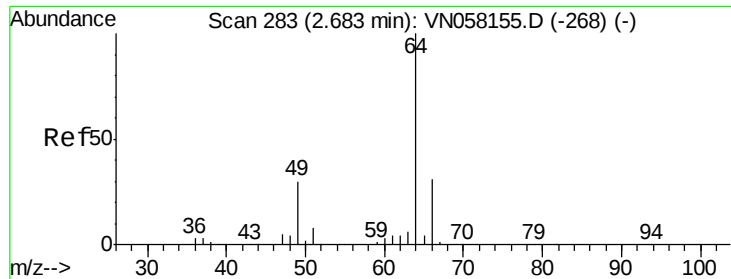
96 0.0 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#6

Chloroethane

Concen: Below Cal

RT: 2.70 min Scan# 287

Delta R.T. 0.01 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

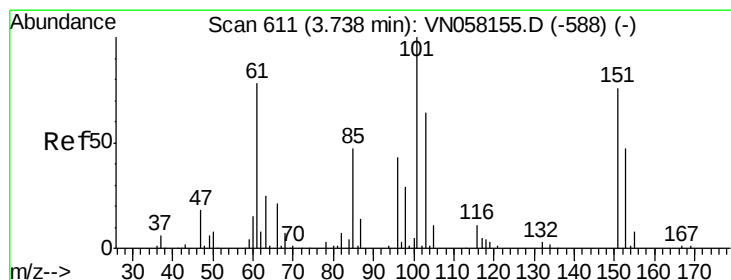
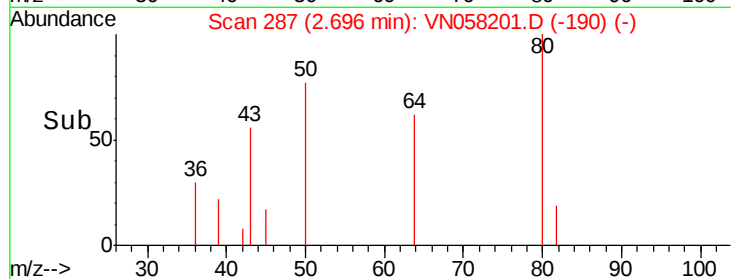
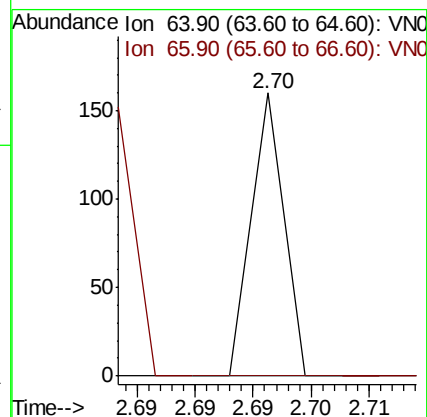
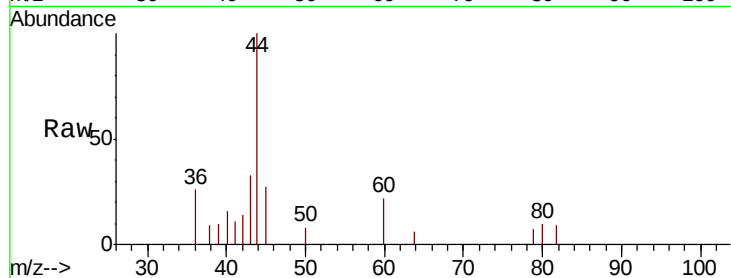
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 64 Resp: 31

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.528 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

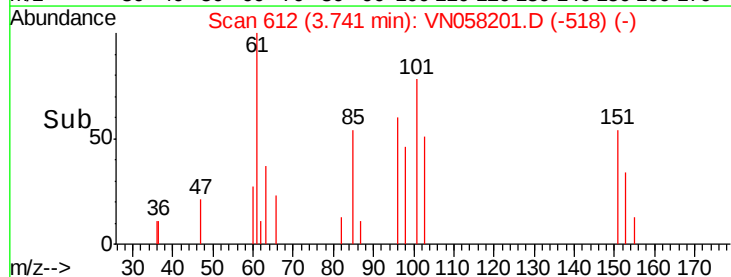
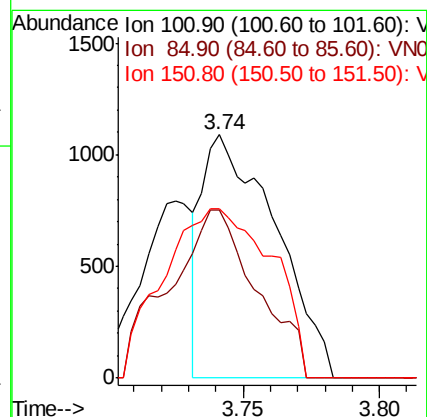
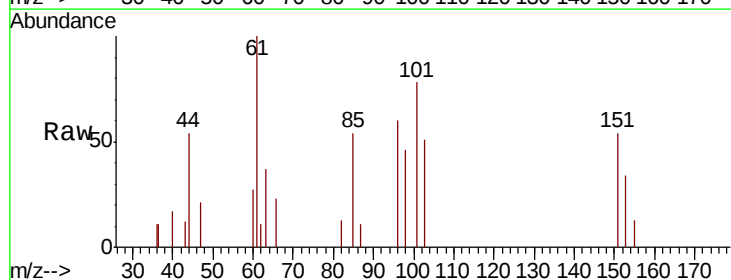
Tgt Ion:101 Resp: 2019

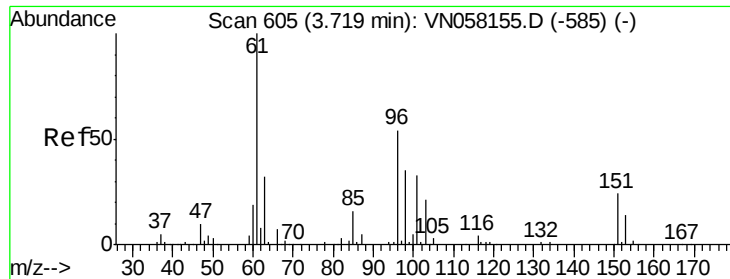
Ion Ratio Lower Upper

101 100

85 83.4 37.3 55.9#

151 103.3 59.6 89.4#

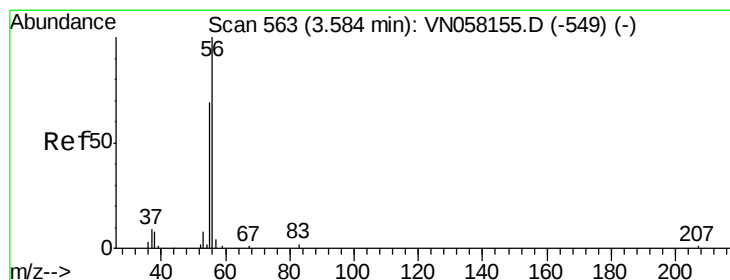
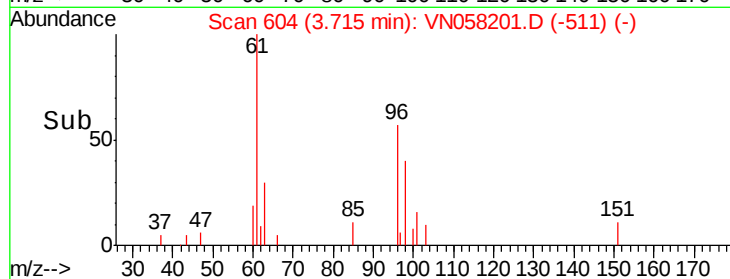
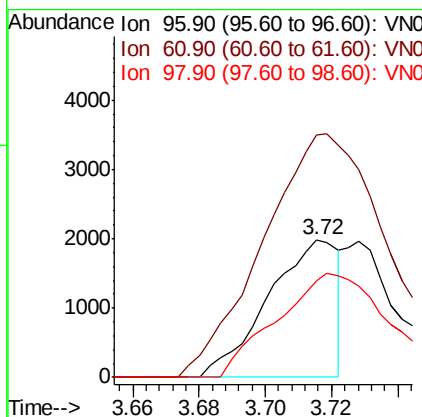
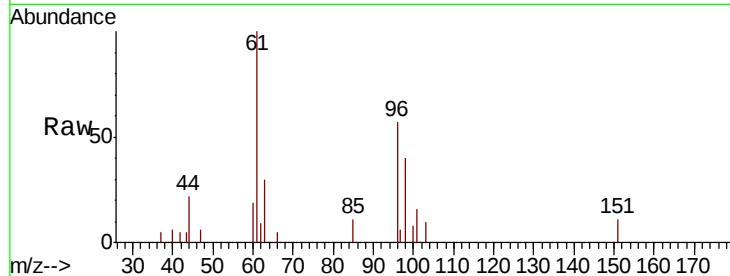




#12
 1,1-Dichloroethene
 Concen: 0.656 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058201.D
 Acq: 19 Sep 2019 13:29

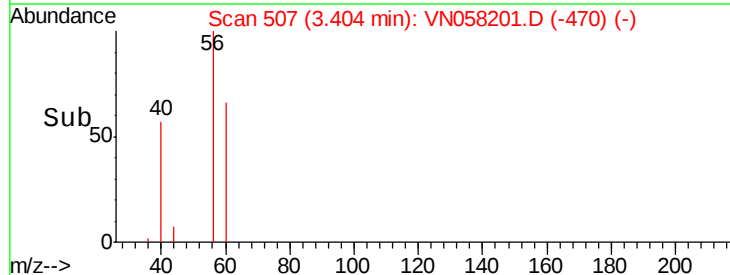
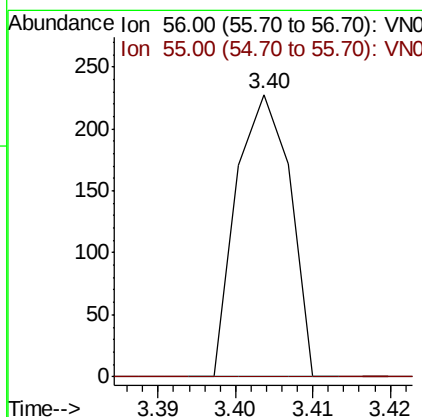
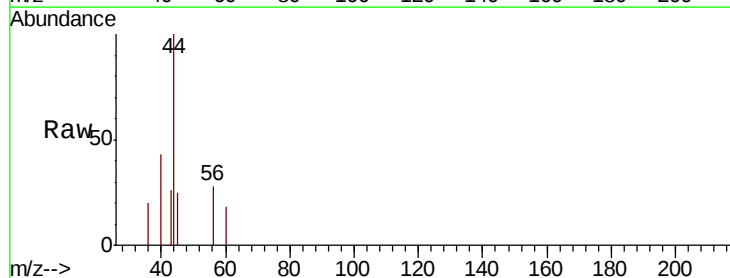
Instrument :
 MSVOA_N
 ClientSampled :

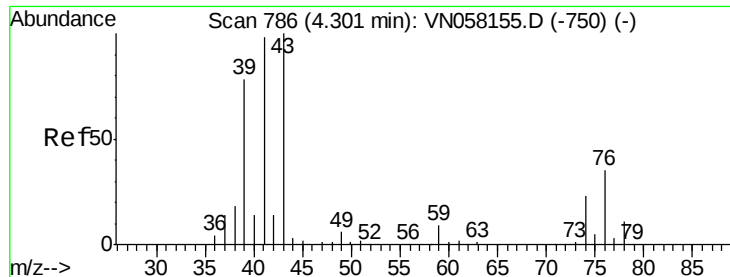
Tot Ion: 96 Resp: 2922
 Ion Ratio Lower Upper
 96 100
 61 167.8 149.5 224.3
 98 70.5 52.4 78.6



#13
 Acrolein
 Concen: 0.948 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.18 min
 Lab File: VN058201.D
 Acq: 19 Sep 2019 13:29

Tgt Ion: 56 Resp: 110
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.1 84.1#





#14

Allvl chloride

Concen: 1.452 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.27 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

Instrument :

MSVOA_N

ClientSampled :

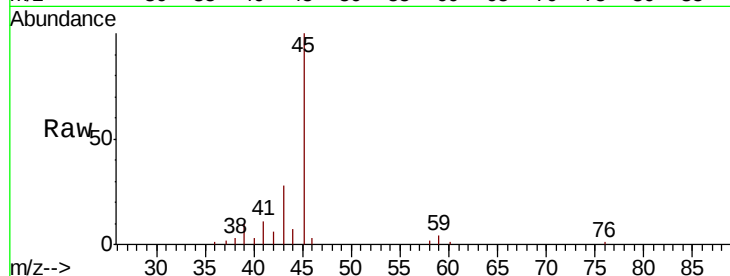
Tot Ion: 41 Resp: 9079

Ion Ratio Lower Upper

41 100

39 86.5 59.1 88.7

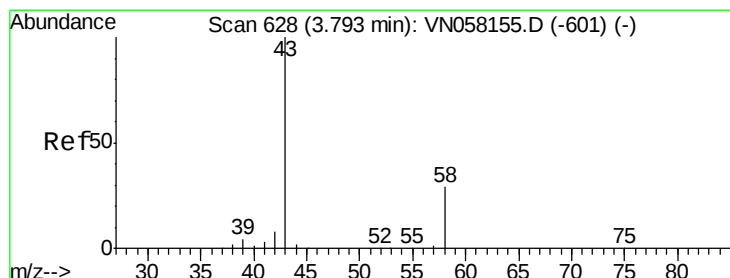
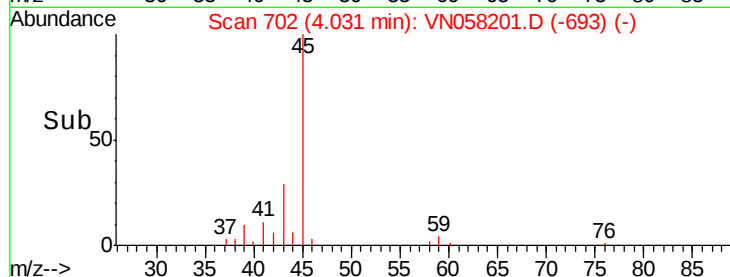
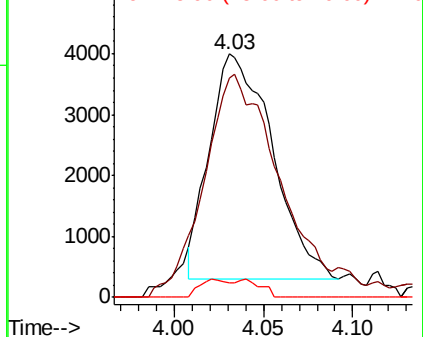
76 3.5 25.1 37.7#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: 1.456 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058201.D

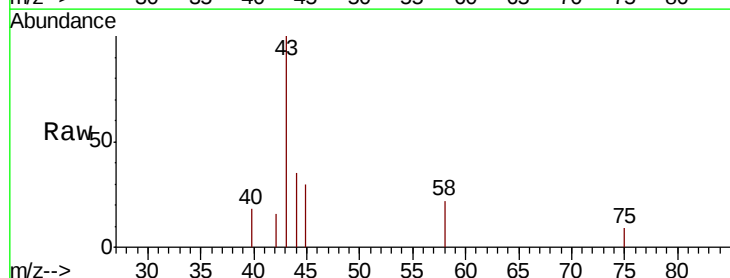
Acq: 19 Sep 2019 13:29

Tgt Ion: 43 Resp: 3253

Ion Ratio Lower Upper

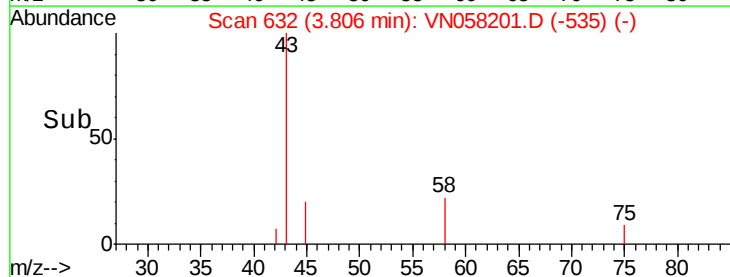
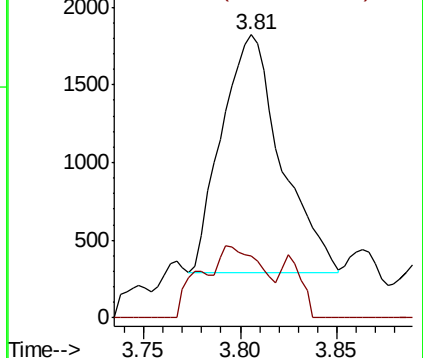
43 100

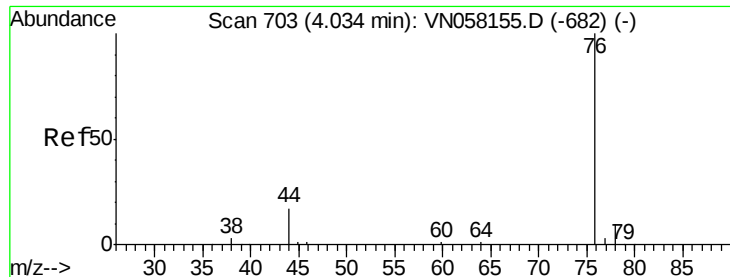
58 26.1 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

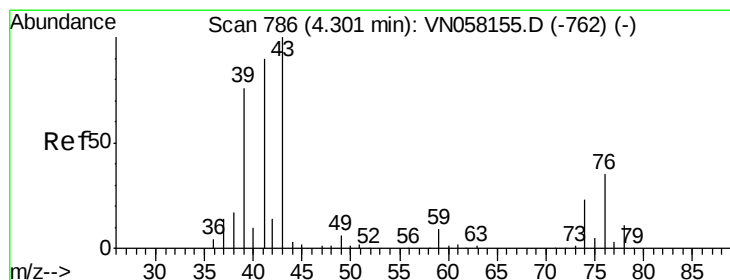
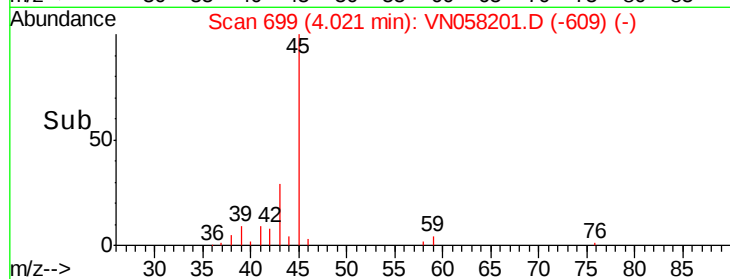
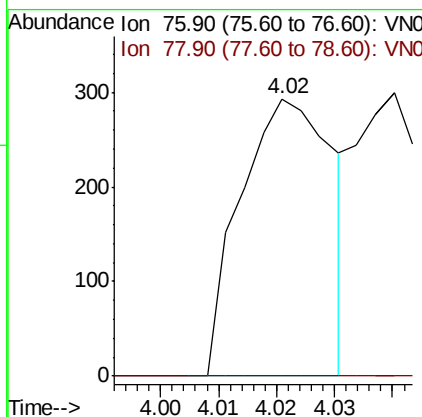
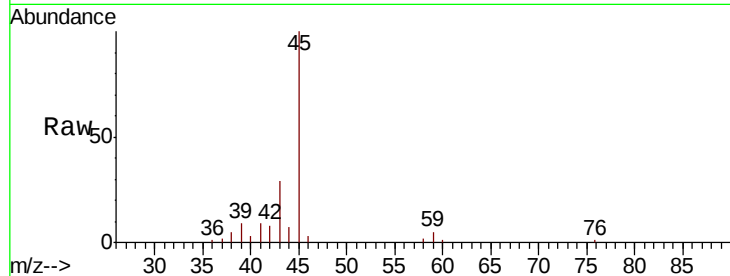




#17
Carbon Disulfide
Concen: 0.349 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.01 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

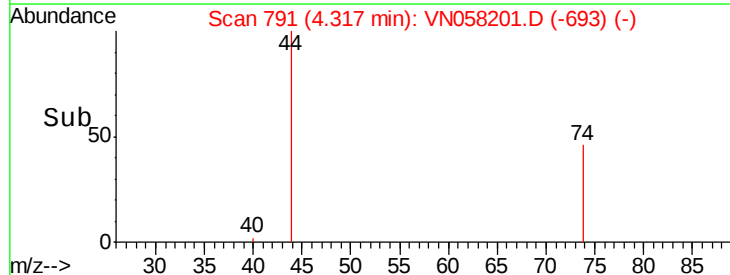
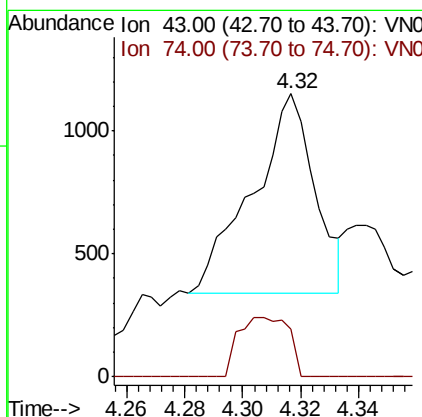
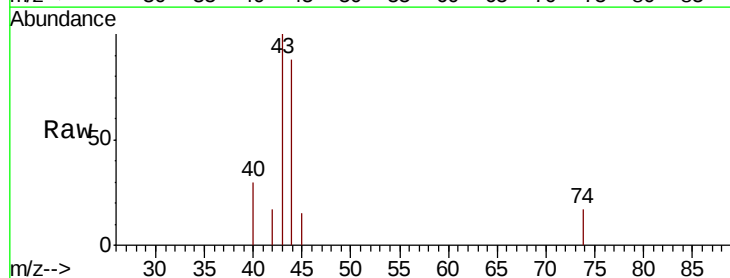
Instrument :
MSVOA_N
ClientSampleId :

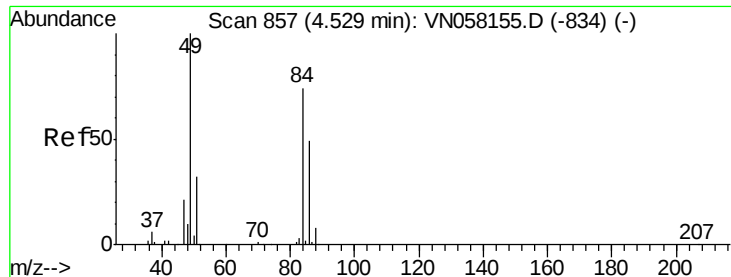
Tot Ion: 76 Resp: 322
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: 0.206 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.02 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

Tgt Ion: 43 Resp: 1209
Ion Ratio Lower Upper
43 100
74 24.0 18.0 27.0

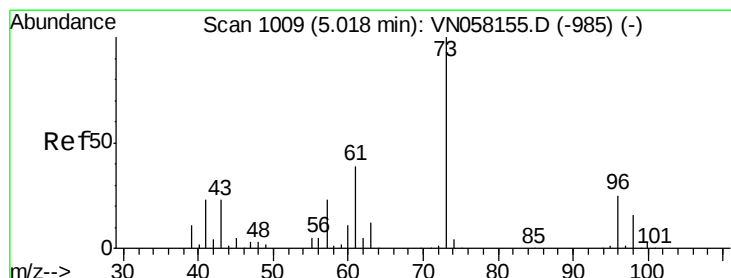
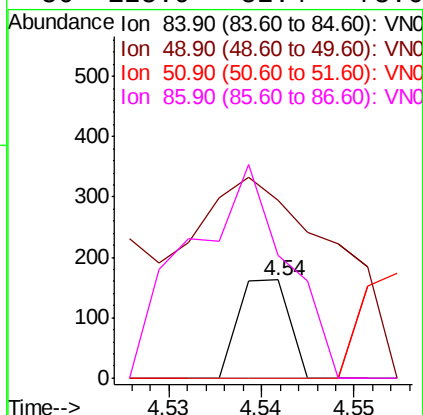
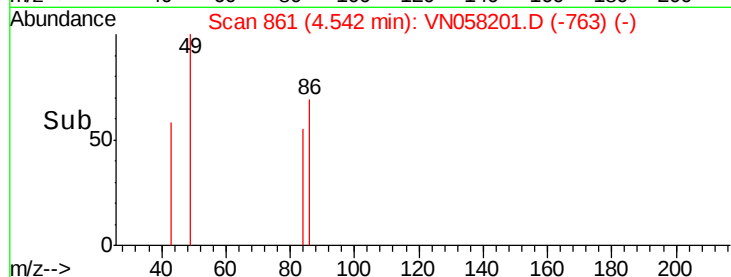
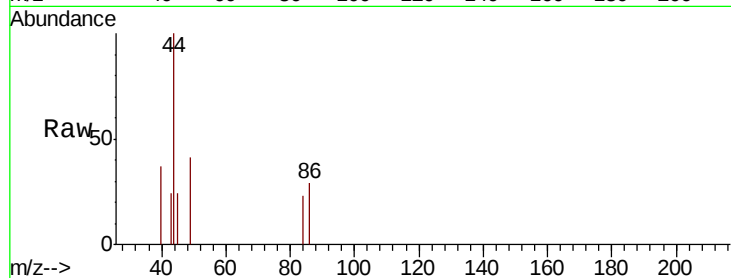




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

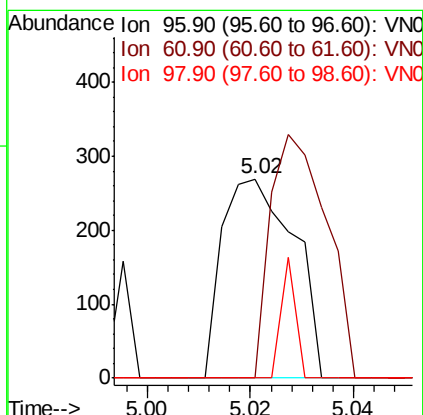
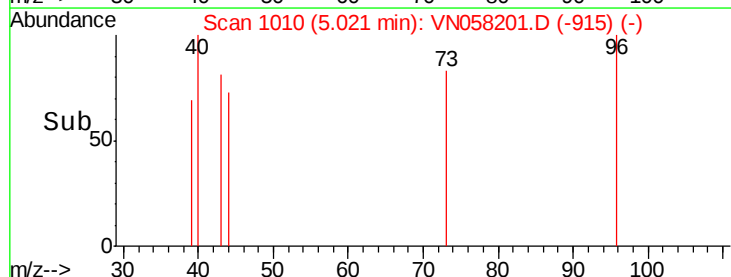
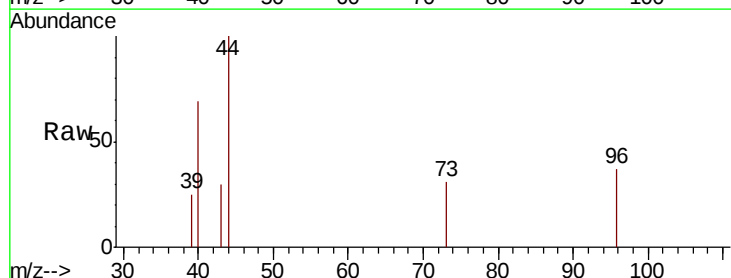
Instrument :
MSVOA_N
ClientSampled :

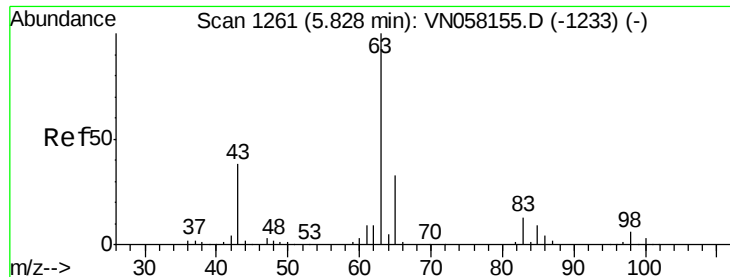
Tot Ion: 84 Resp: 62
Ion Ratio Lower Upper
84 100
49 43.8 107.5 161.3#
51 0.0 33.9 50.9#
86 125.9 52.4 78.6#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

Tgt Ion: 96 Resp: 259
Ion Ratio Lower Upper
96 100
61 0.0 122.2 183.4#
98 0.0 49.9 74.9#





#24

1,1-Dichloroethane

Concen: 1.290 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

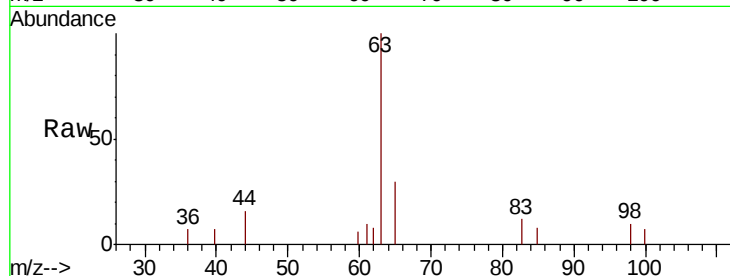
Tot Ion: 63 Resp: 10938

Ion Ratio Lower Upper

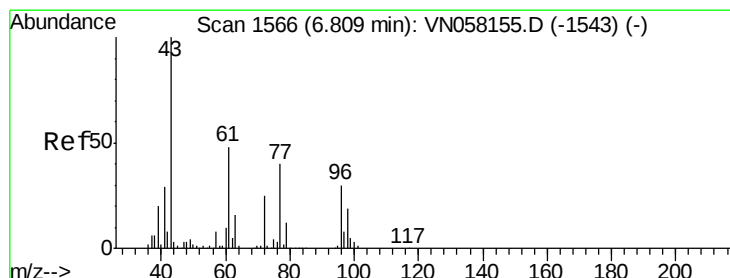
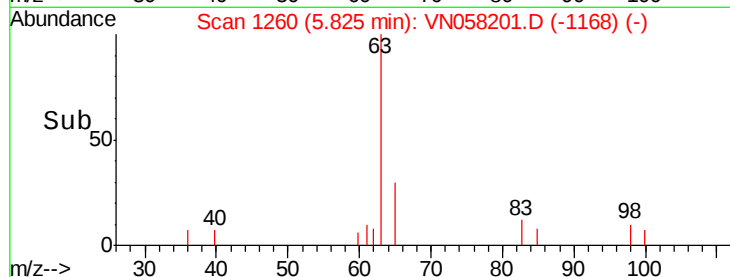
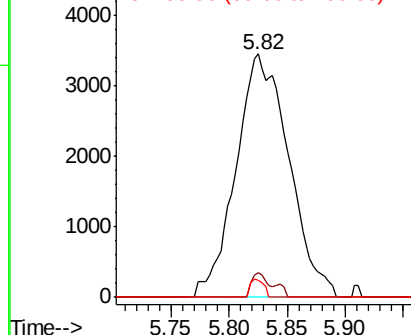
63 100

98 10.2 2.9 8.6#

100 6.9 1.8 5.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 2.161 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

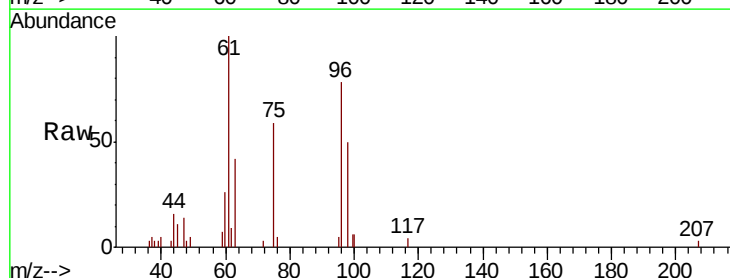
Tgt Ion: 96 Resp: 10358

Ion Ratio Lower Upper

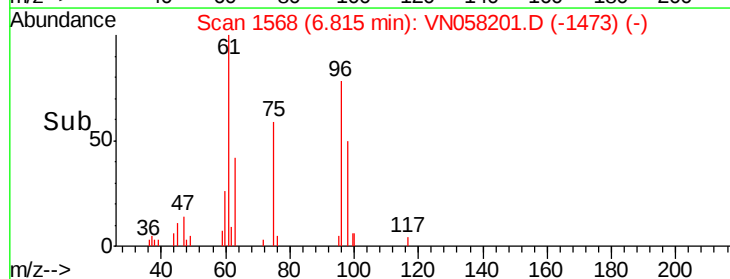
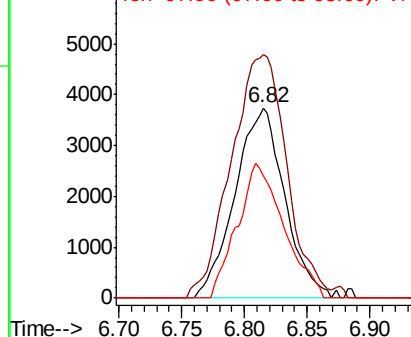
96 100

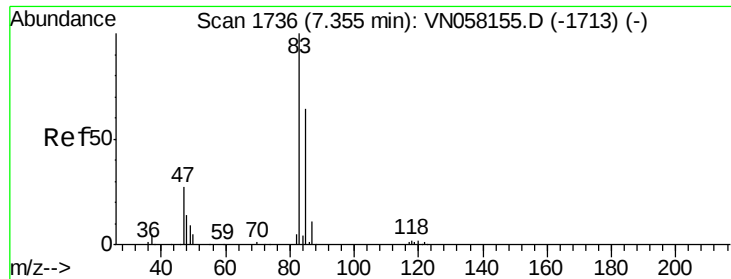
61 142.0 0.0 319.0

98 65.9 0.0 126.6



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

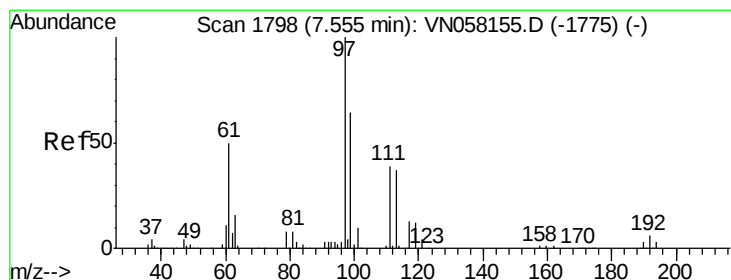
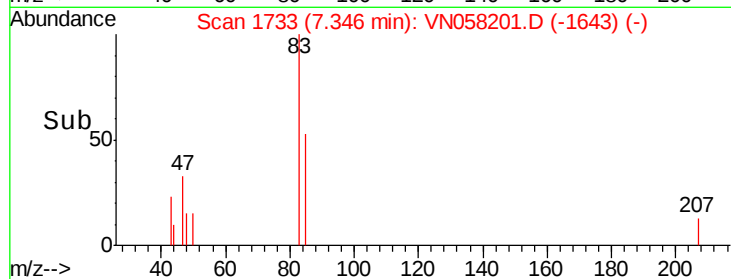
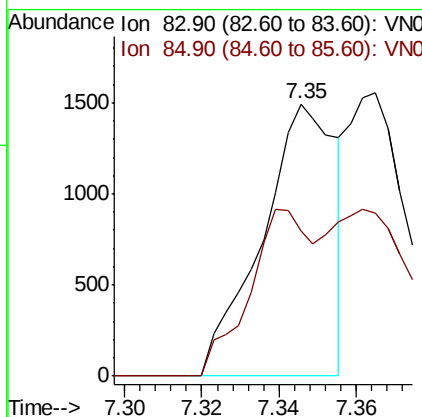
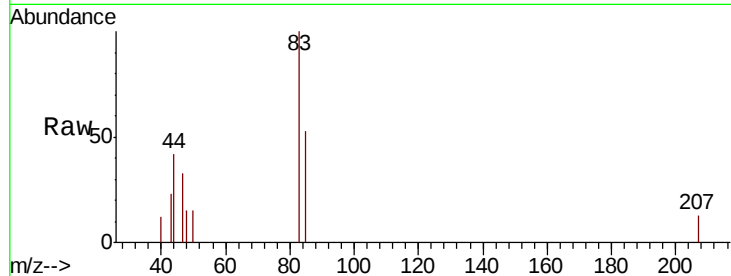




#30
Chloroform
Concen: 0.217 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.01 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

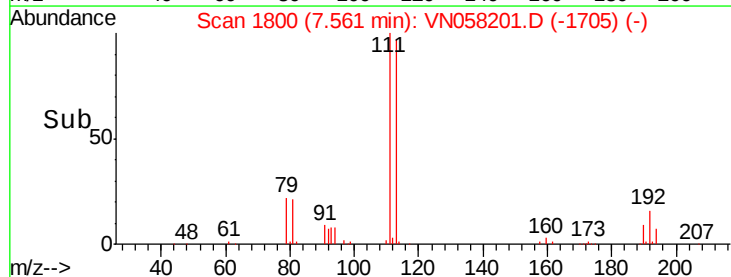
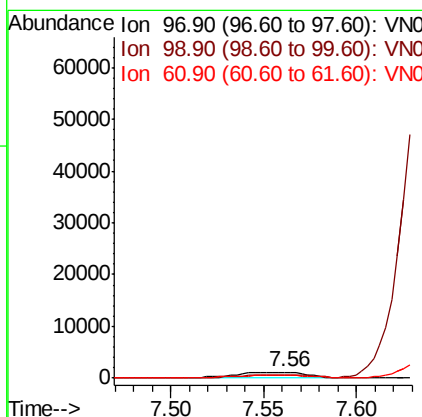
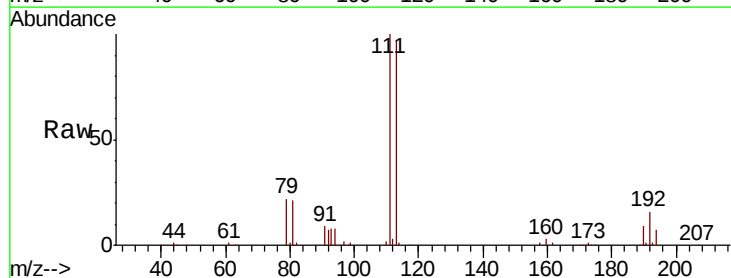
Instrument :
MSVOA_N
ClientSampleId :

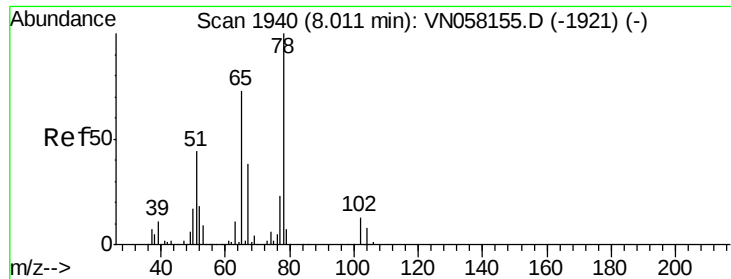
Tot Ion: 83 Resp: 1980
Ion Ratio Lower Upper
83 100
85 53.1 51.4 77.2



#32
1,1,1-Trichloroethane
Concen: 0.429 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. 0.01 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

Tgt Ion: 97 Resp: 2981
Ion Ratio Lower Upper
97 100
99 0.0 50.9 76.3#
61 57.6 39.2 58.8

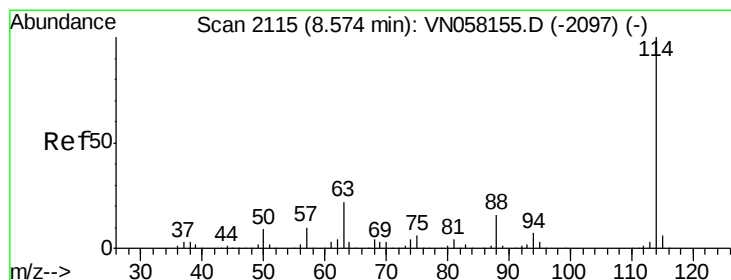
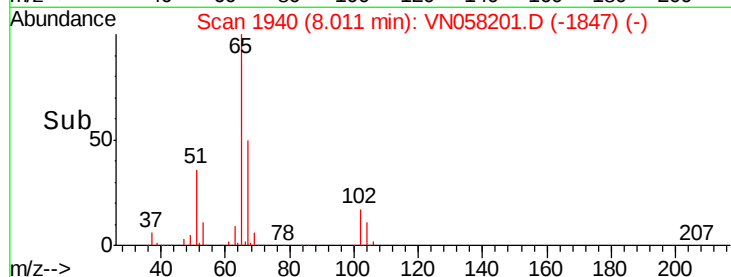
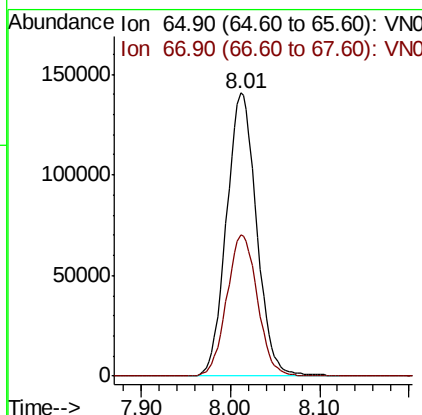
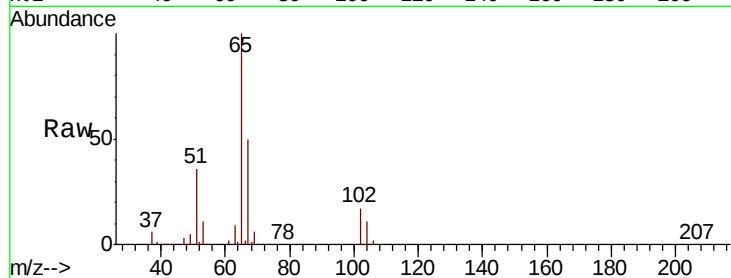




#33
 1,2-Dichloroethane-d4
 Concen: 49.971 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058201.D
 Acq: 19 Sep 2019 13:29

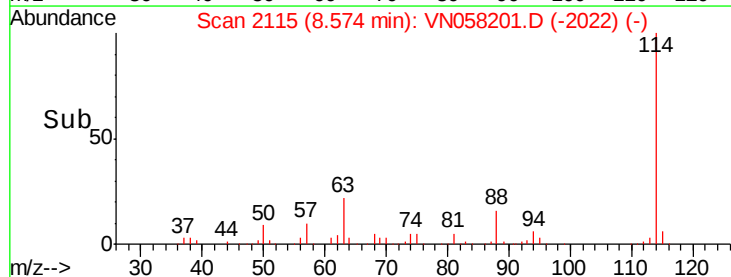
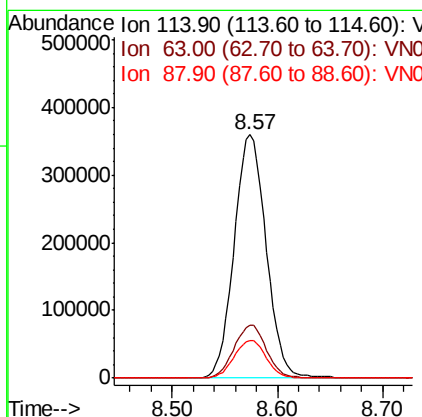
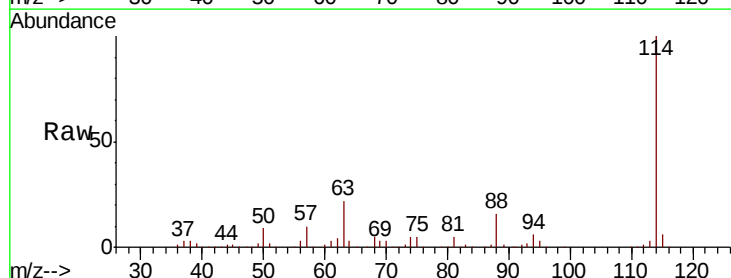
Instrument :
 MSVOA_N
 ClientSampleId :

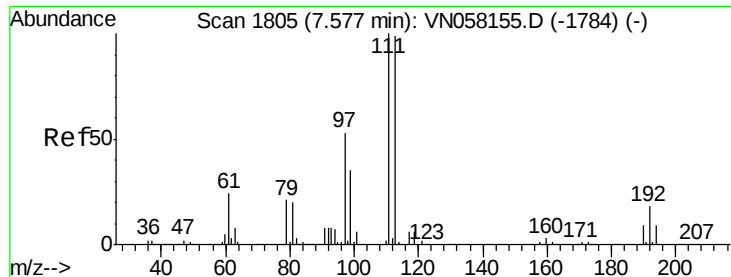
Tot Ion: 65 Resp: 328941
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058201.D
 Acq: 19 Sep 2019 13:29

Tgt Ion: 114 Resp: 758763
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 44.2
 88 15.6 0.0 31.6

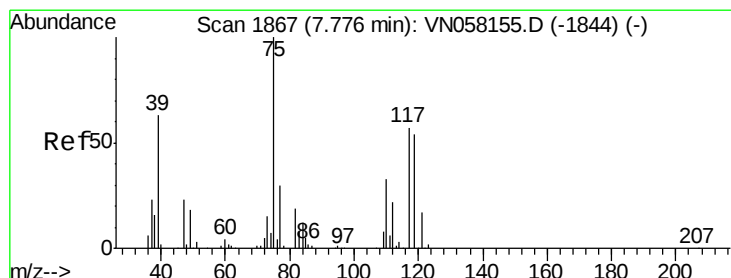
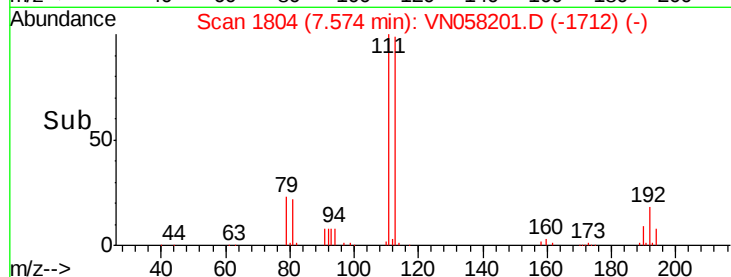
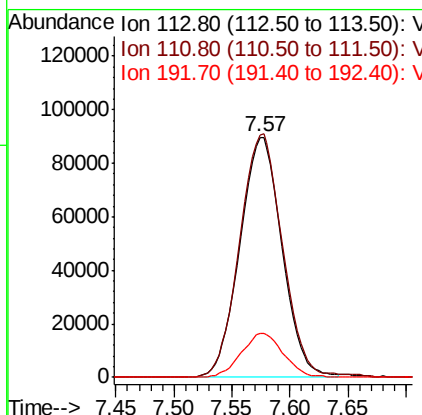
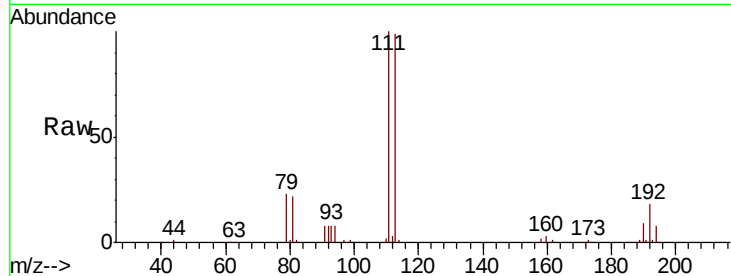




#35
 Dibromofluoromethane
 Concen: 49.156 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058201.D
 Acq: 19 Sep 2019 13:29

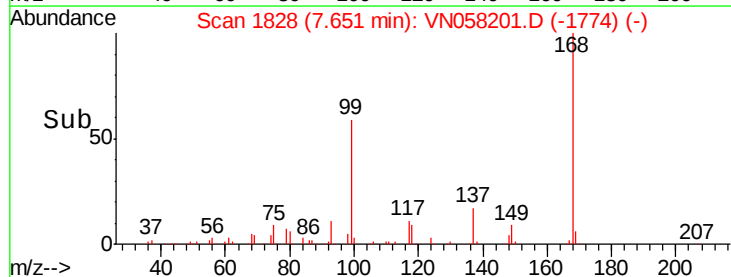
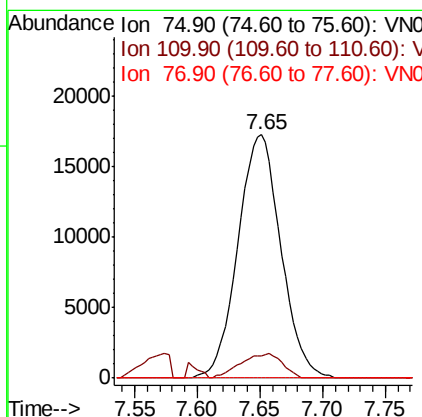
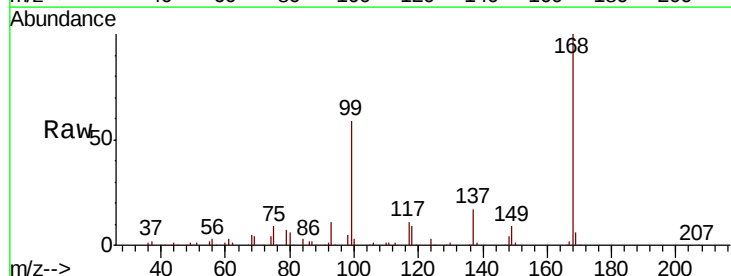
Instrument :
 MSVOA_N
 ClientSampleId :

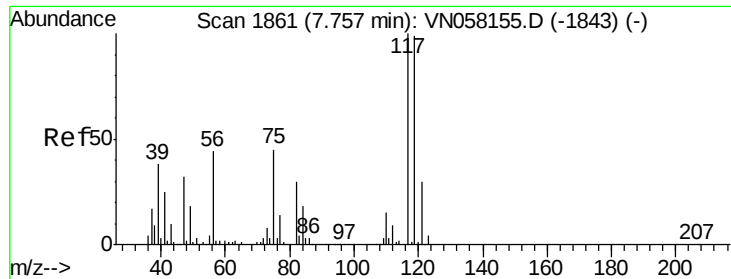
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	18.4	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 7.509 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058201.D
 Acq: 19 Sep 2019 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	16.6	49.7#
77	0.0	24.3	36.5#

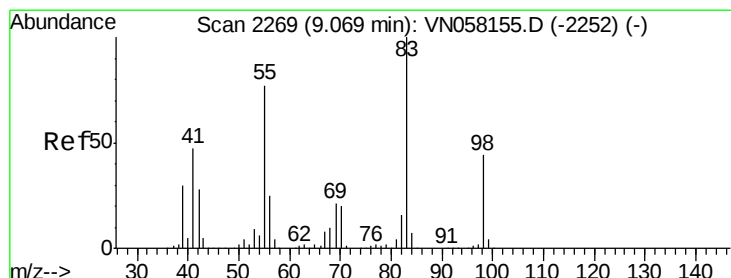
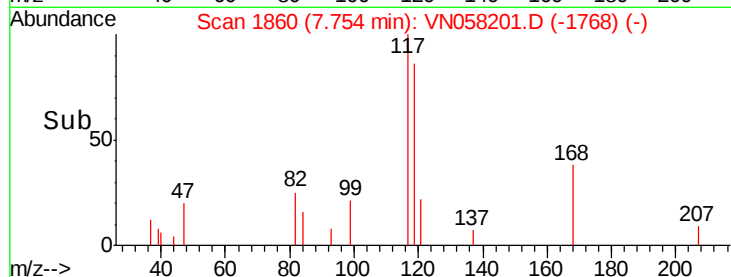
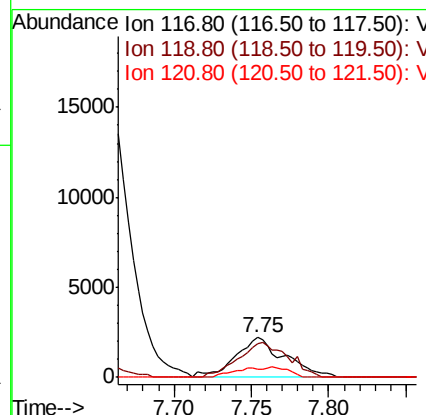
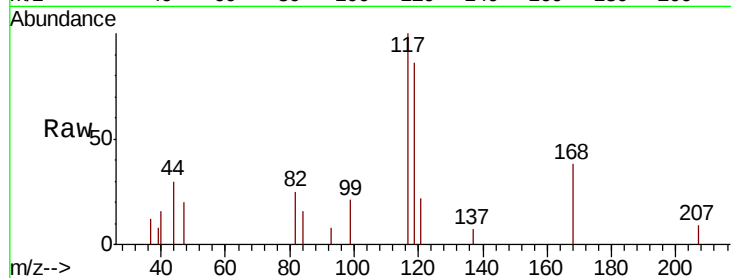




#38
Carbon Tetrachloride
Concen: 0.896 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

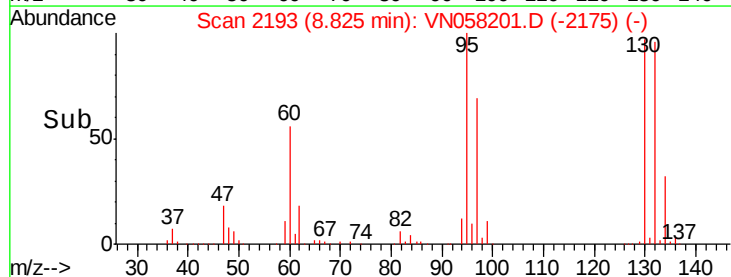
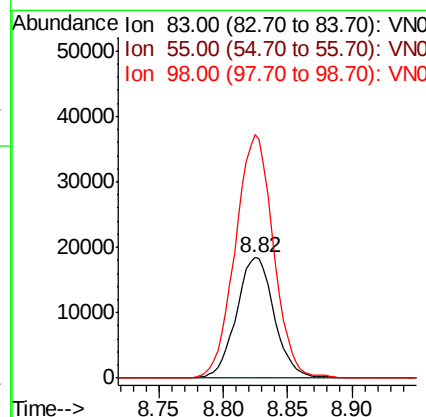
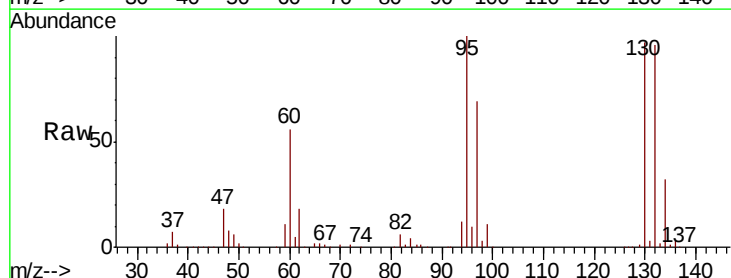
Instrument :
MSVOA_N
ClientSampleId :

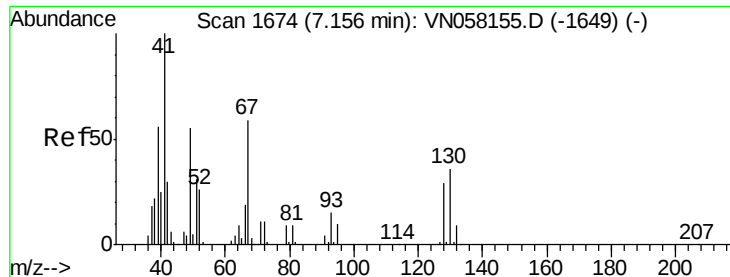
Tot Ion:117 Resp: 4928
Ion Ratio Lower Upper
117 100
119 85.7 78.6 117.8
121 21.7 24.1 36.1#



#39
Methylcyclohexane
Concen: 7.166 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.24 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

Tgt Ion: 83 Resp: 37592
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 201.8 35.4 53.2#

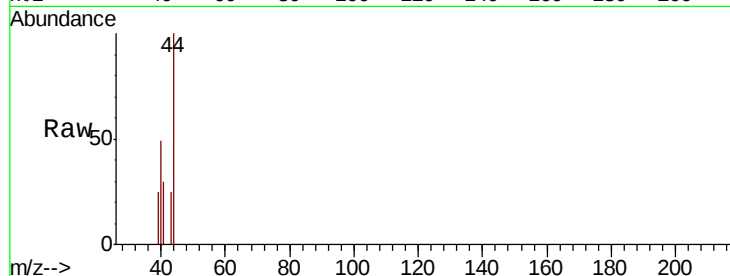




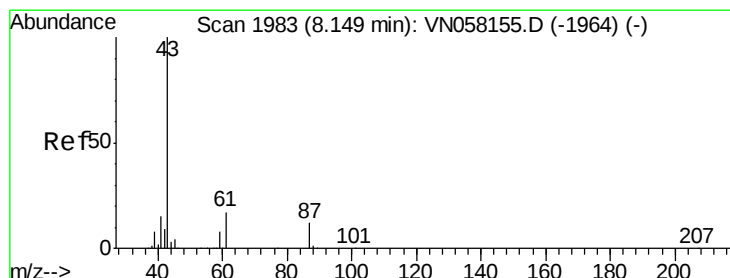
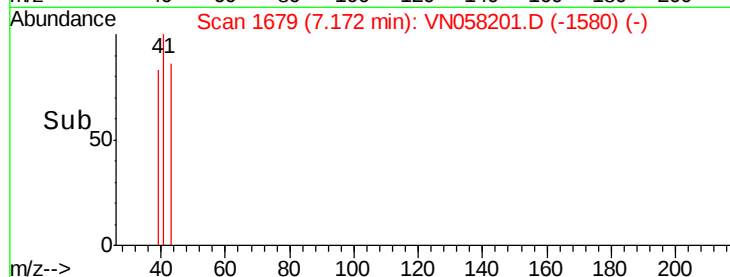
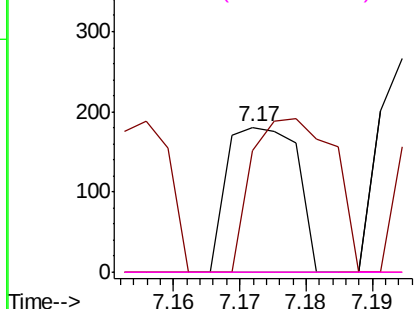
#41
Methacrylonitrile
Concen: 0.957 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.02 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	133
Ion	Ratio	Lower	Upper
41	100		
39	124.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

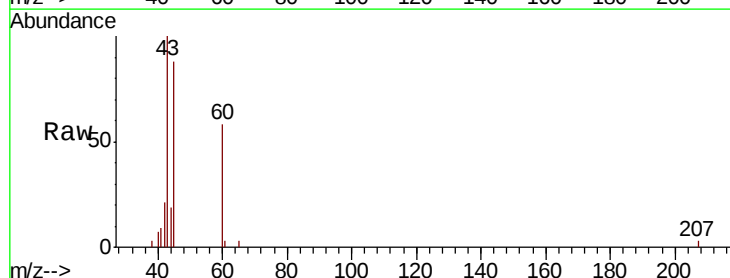


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

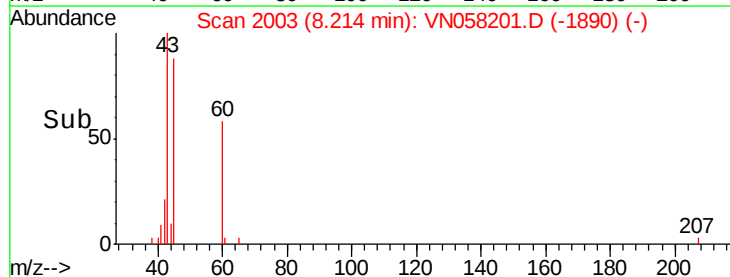
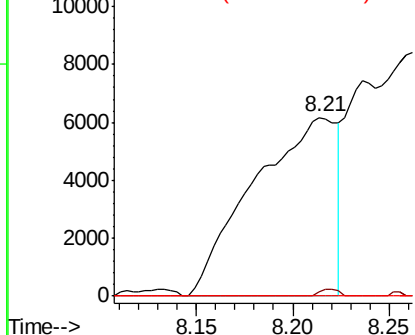


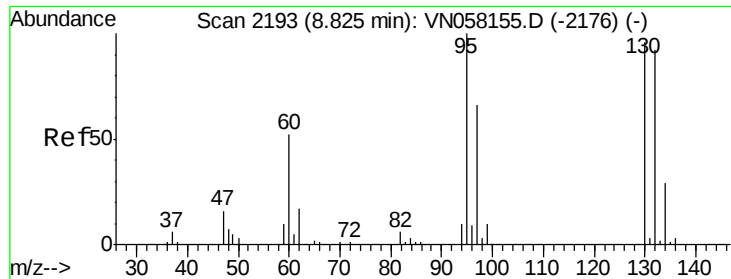
#43
Isopropyl Acetate
Concen: 1.744 ug/l
RT: 8.21 min Scan# 2003
Delta R.T. 0.06 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

Tgt Ion:	43	Resp:	18499
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.7	29.5#
87	0.0	9.4	14.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#44

Trichloroethene

Concen: 692.014 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

Instrument :

MSVOA_N

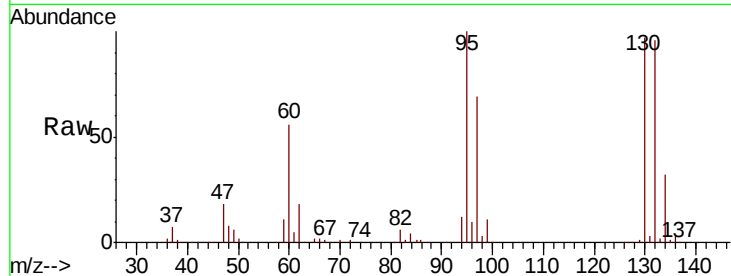
ClientSampled :

Tot Ion:130 Resp: 2830214

Ion Ratio Lower Upper

130 100

95 102.9 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO

8.82

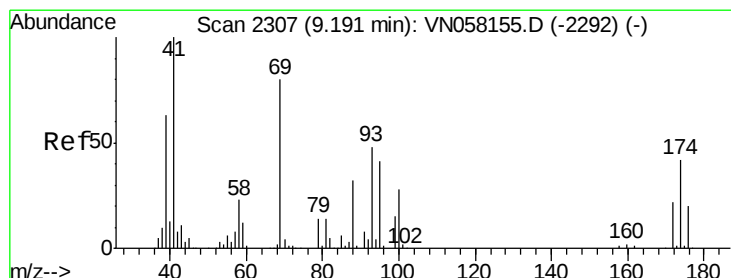
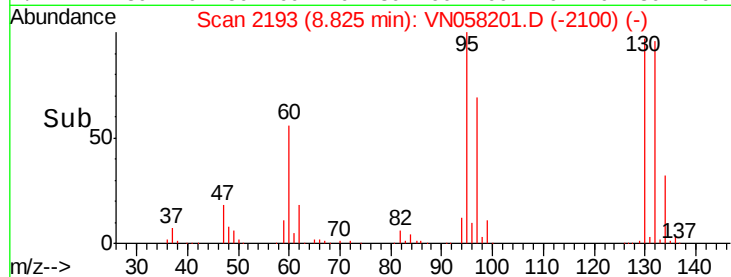
1500000

1000000

500000

0

Time-->



#49

1,4-Dioxane

Concen: 11.662 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.01 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

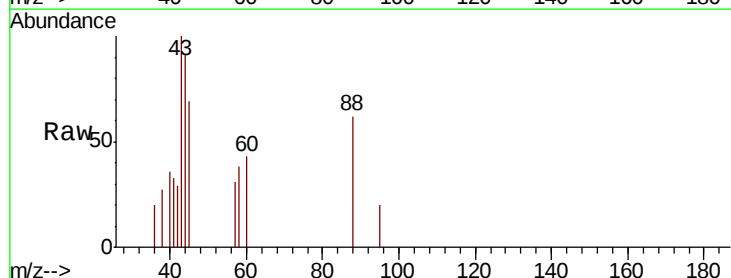
Tgt Ion: 88 Resp: 922

Ion Ratio Lower Upper

88 100

43 27.0 27.8 41.8#

58 0.0 55.0 82.4#



Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

1000

800

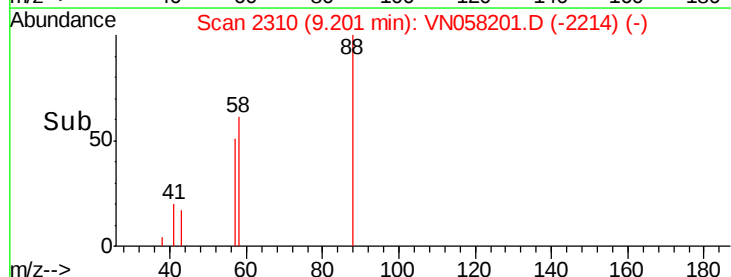
600

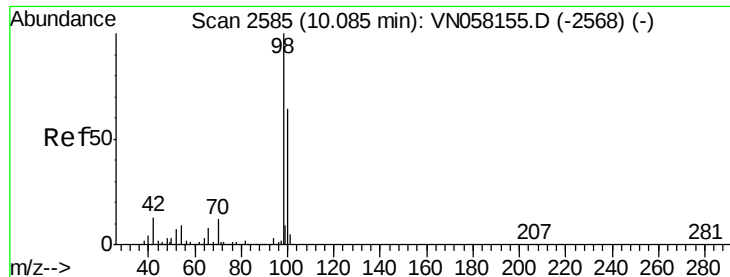
400

200

0

Time-->





#50

Toluene-d8

Concen: 52.931 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

Instrument :

MSVOA_N

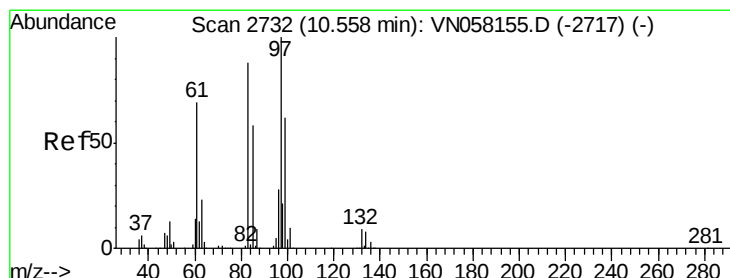
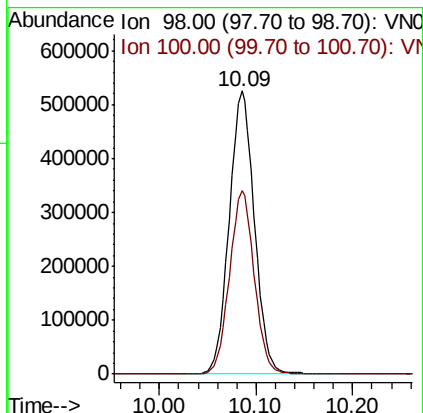
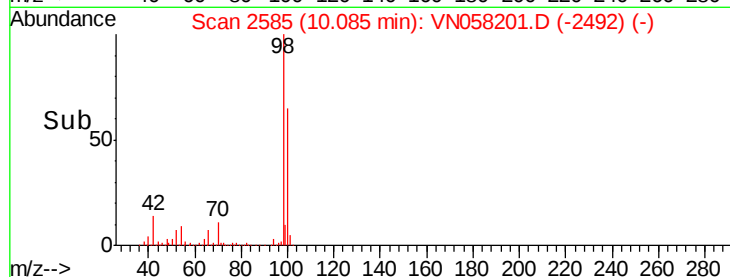
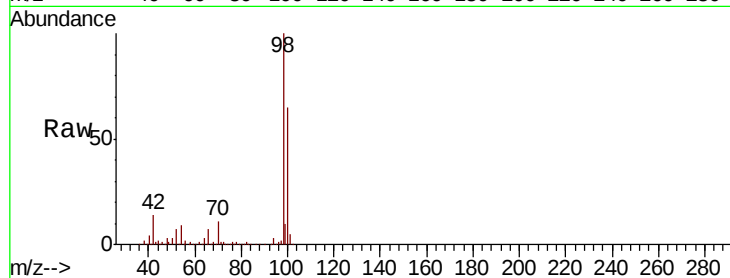
ClientSampled :

Tot Ion: 98 Resp: 951264

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



#55

1,1,2-Trichloroethane

Concen: 0.353 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

Tgt Ion: 97 Resp: 1642

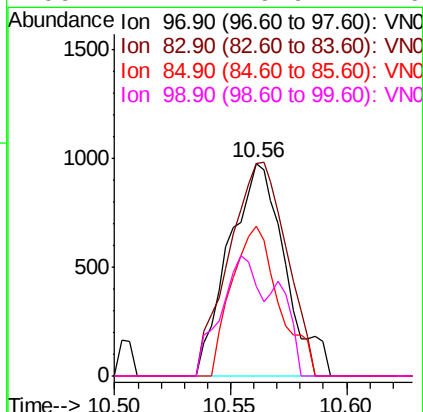
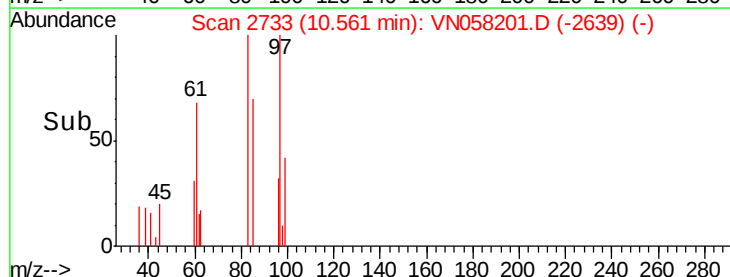
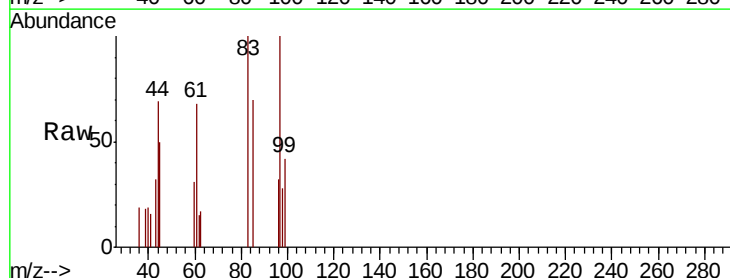
Ion Ratio Lower Upper

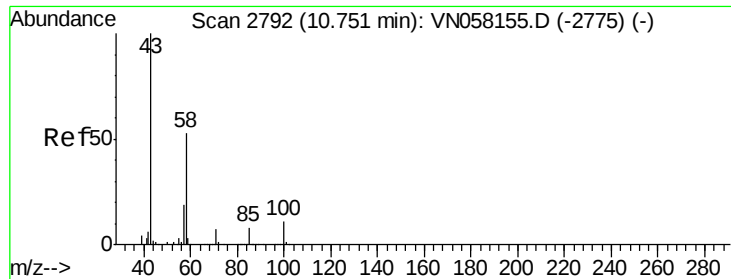
97 100

83 99.8 70.4 105.6

85 70.3 46.8 70.2#

99 42.1 49.9 74.9#

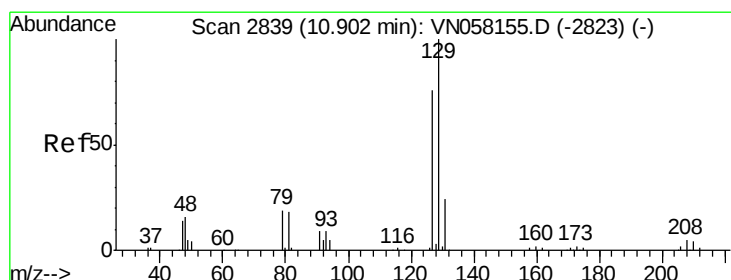
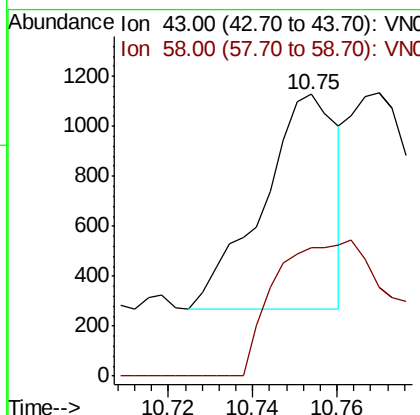
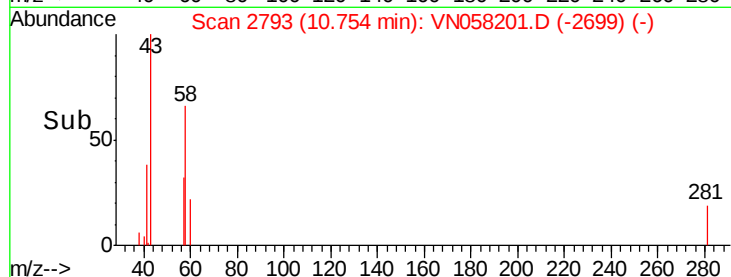
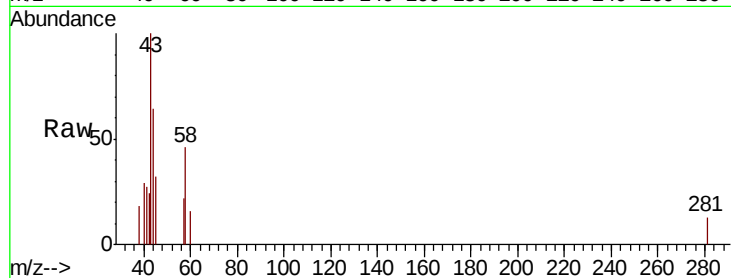




#59
2-Hexanone
Concen: 0.253 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

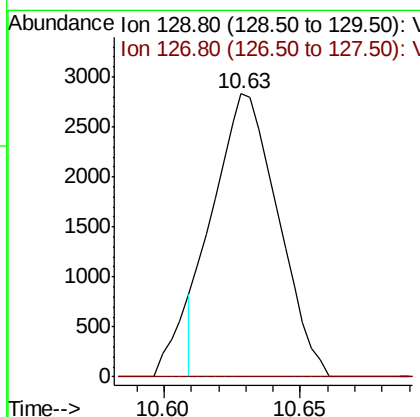
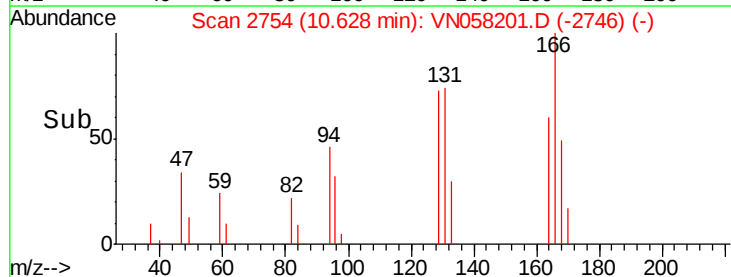
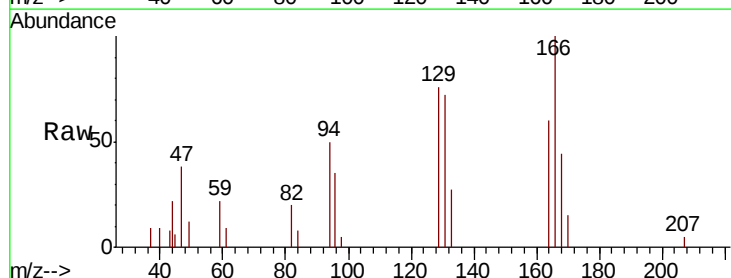
Instrument :
MSVOA_N
ClientSampleId :

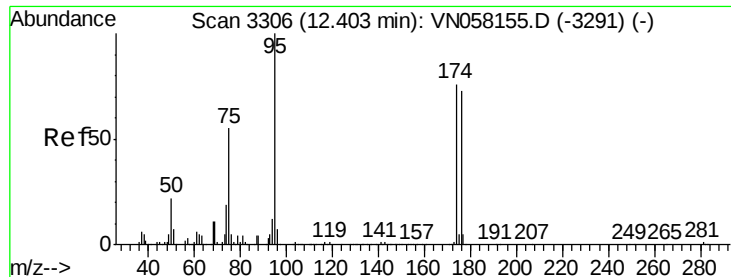
Tot Ion: 43 Resp: 1059
Ion Ratio Lower Upper
43 100
58 99.2 26.0 78.0#



#60
Dibromochloromethane
Concen: 1.040 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

Tgt Ion: 129 Resp: 4650
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#

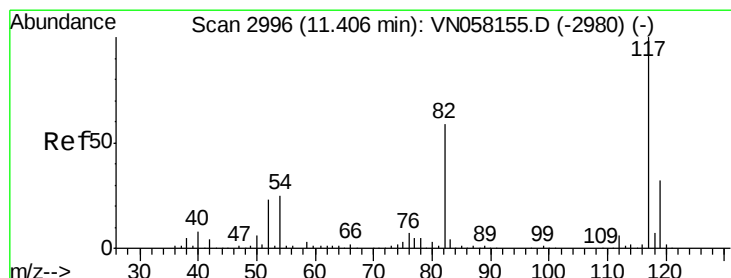
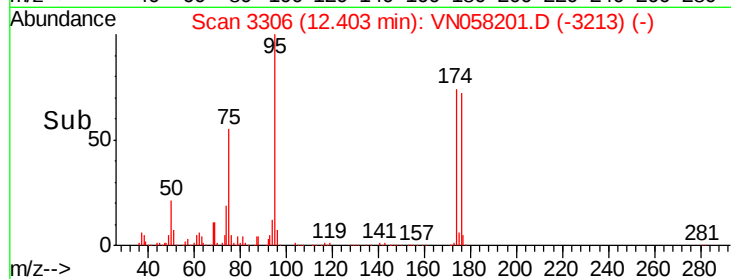
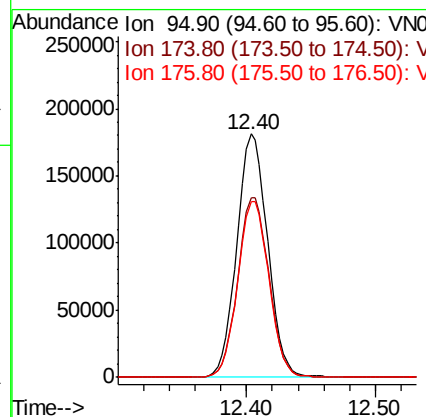
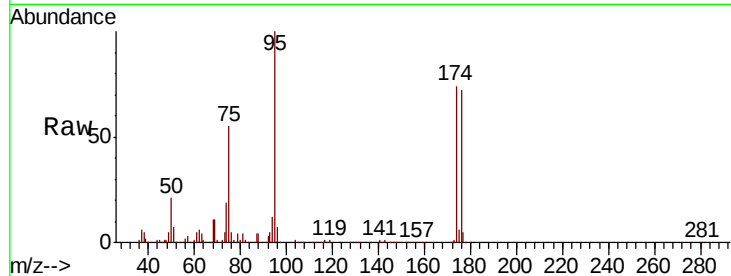




#62
4-Bromofluorobenzene
Concen: 45.107 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

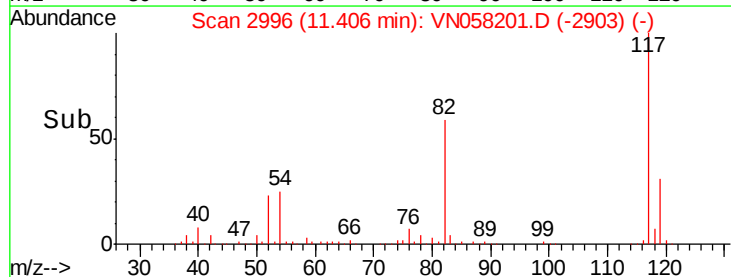
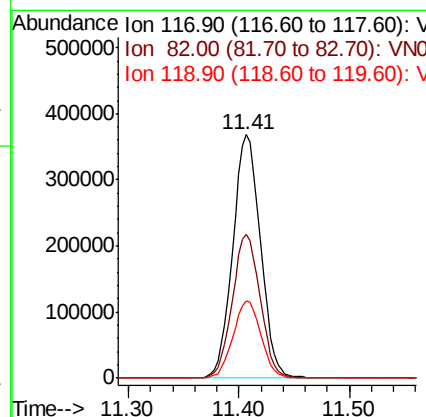
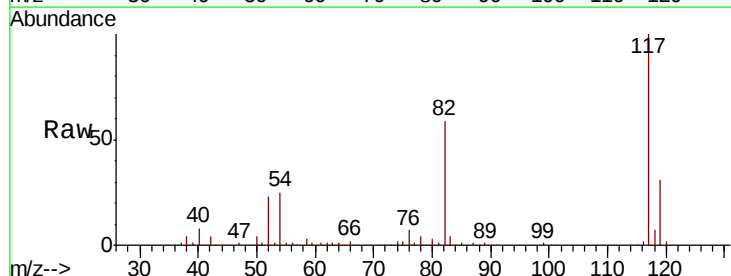
Instrument :
MSVOA_N
ClientSampled :

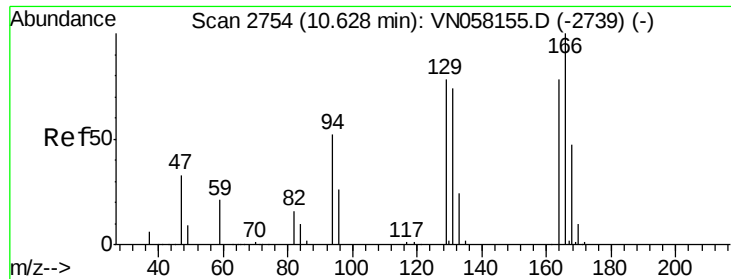
Tot Ion	95	Resp	301129
Ion Ratio	Lower	Upper	
95	100		
174	75.0	0.0	152.2
176	73.3	0.0	148.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

Tgt Ion	117	Resp	642623
Ion Ratio	Lower	Upper	
117	100		
82	59.0	46.9	70.3
119	31.5	25.3	37.9





#64

Tetrachloroethene

Concen: 1.379 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 4321

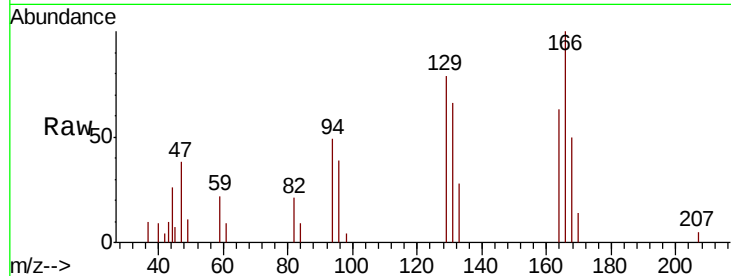
Ion Ratio Lower Upper

164 100

166 157.5 102.2 153.4#

129 124.5 79.6 119.4#

131 103.2 76.0 114.0

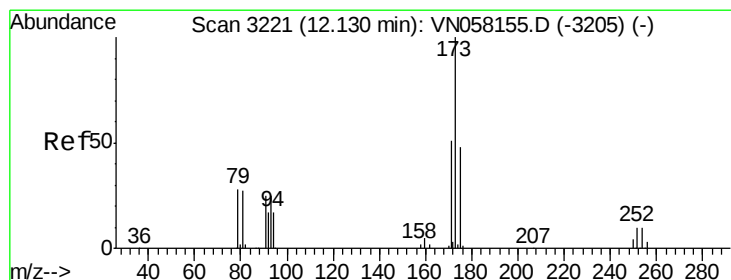
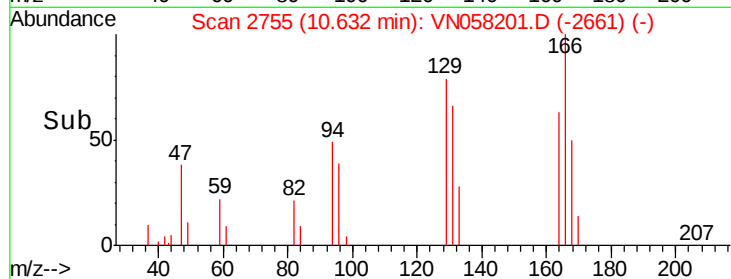
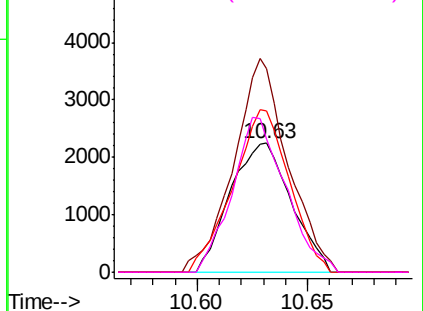


Abundance Ion 163.80 (163.50 to 164.50): V

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



#71

Bromoform

Concen: 3.845 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

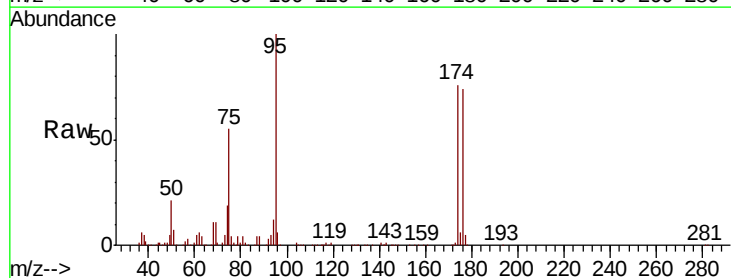
Tgt Ion:173 Resp: 817

Ion Ratio Lower Upper

173 100

175 1881.5 24.2 72.6#

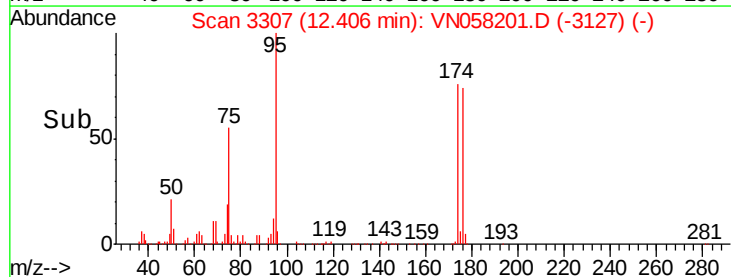
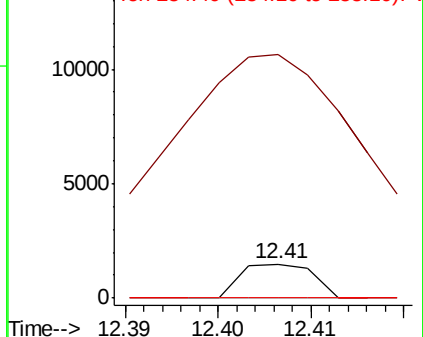
254 0.0 0.1 0.1#

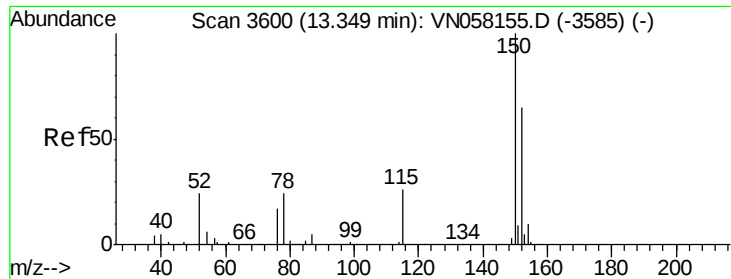


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058201.D

Acq: 19 Sep 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

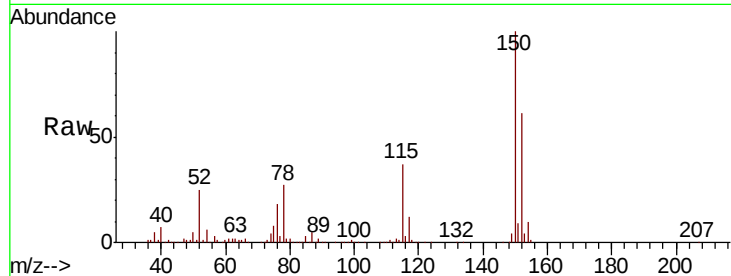
Tot Ion:152 Resp: 259858

Ion Ratio Lower Upper

152 100

115 61.5 30.1 90.3

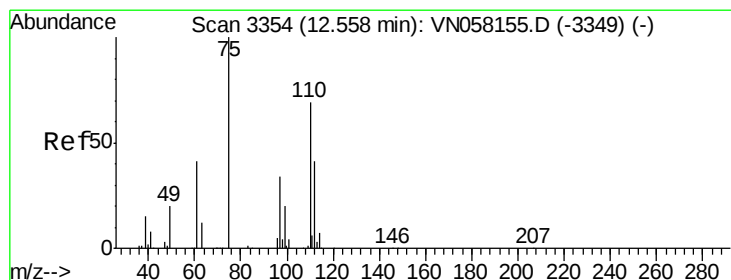
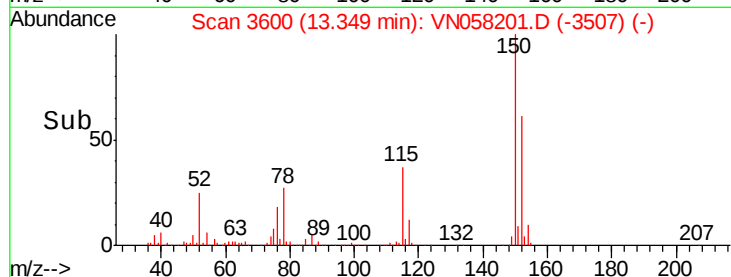
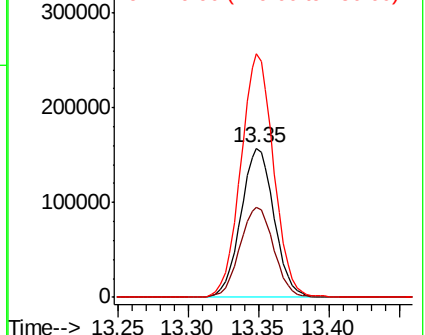
150 160.9 0.0 346.4



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: 35.451 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058201.D

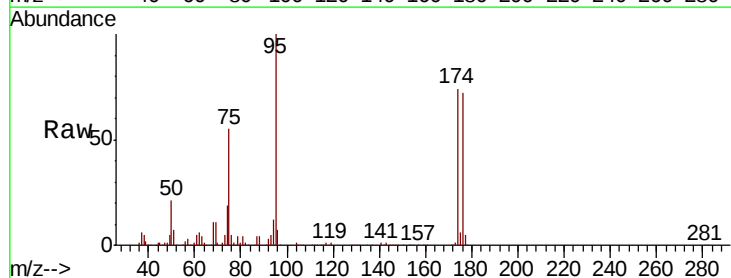
Acq: 19 Sep 2019 13:29

Tgt Ion: 75 Resp: 164872

Ion Ratio Lower Upper

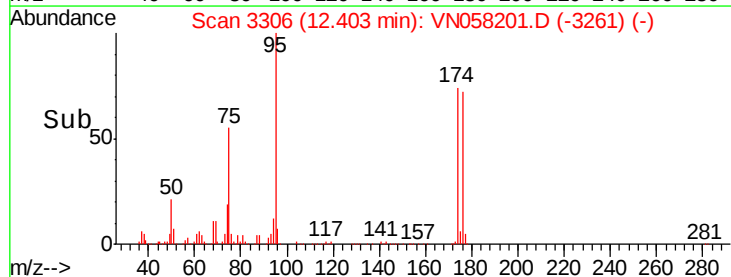
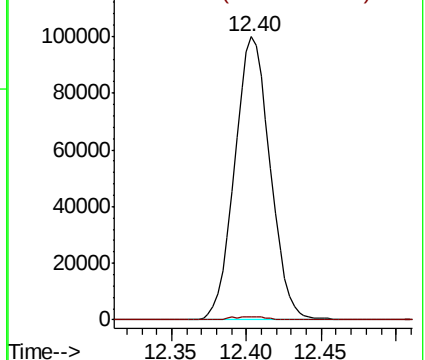
75 100

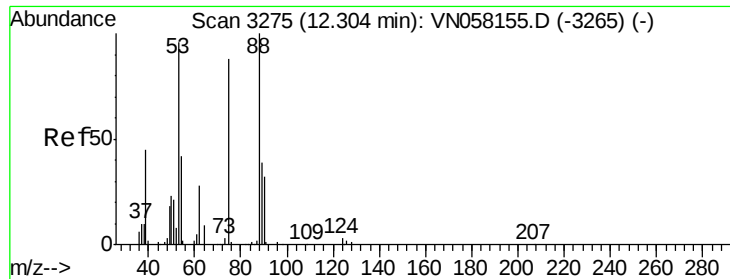
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

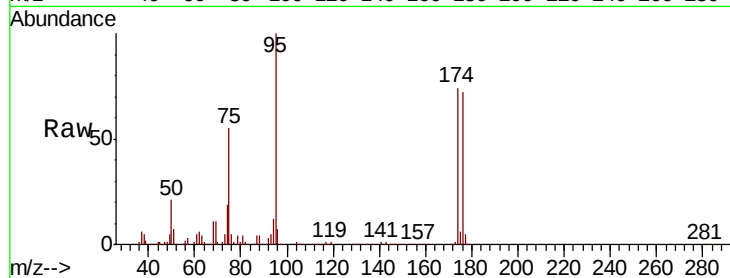




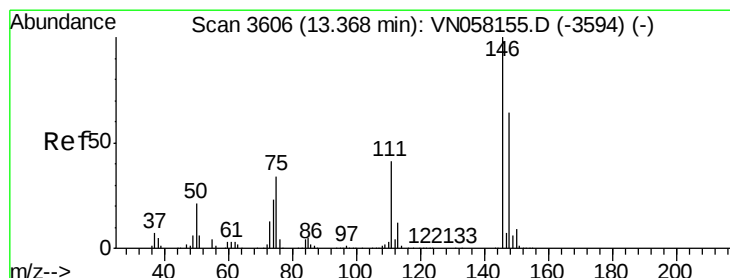
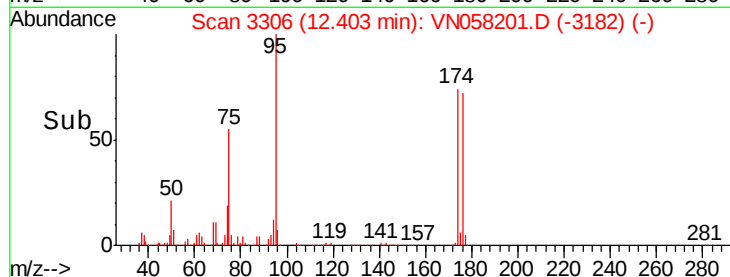
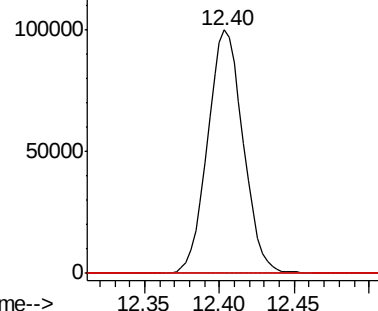
#81
trans-1,4-Dichloro-2-butene
Concen: 99.096 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 164872
Ion Ratio Lower Upper
75 100
53 0.0 90.1 135.1#
89 0.0 36.2 54.2#

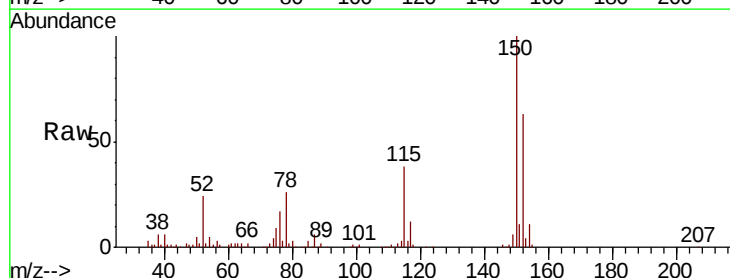


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

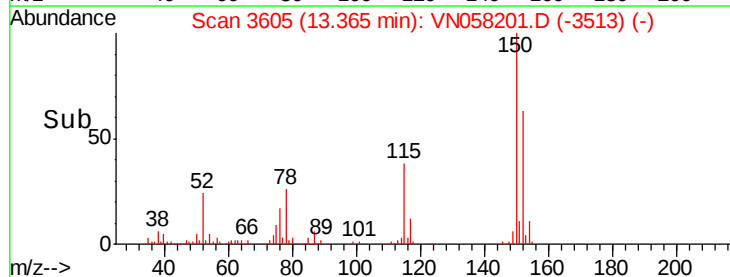
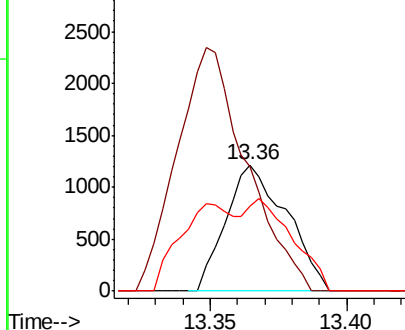


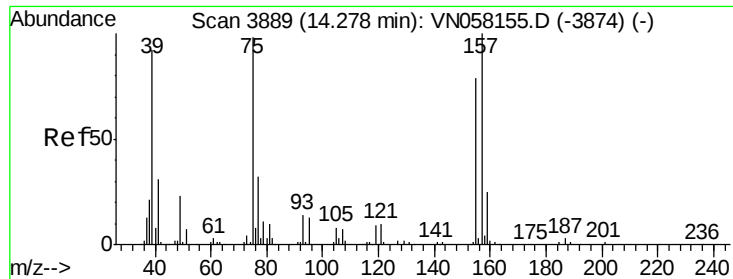
#88
1,4-Dichlorobenzene
Concen: 0.247 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. -0.00 min
Lab File: VN058201.D
Acq: 19 Sep 2019 13:29

Tgt Ion: 146 Resp: 1881
Ion Ratio Lower Upper
146 100
111 220.6 20.5 61.5#
148 59.2 31.9 95.5



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

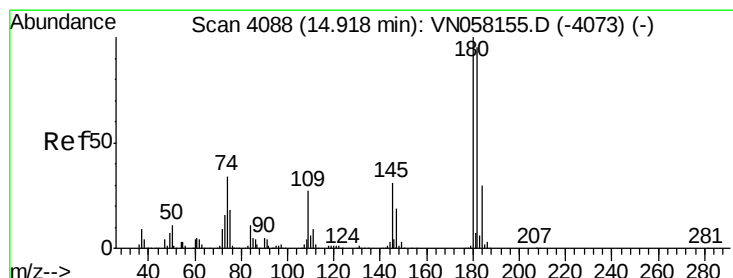
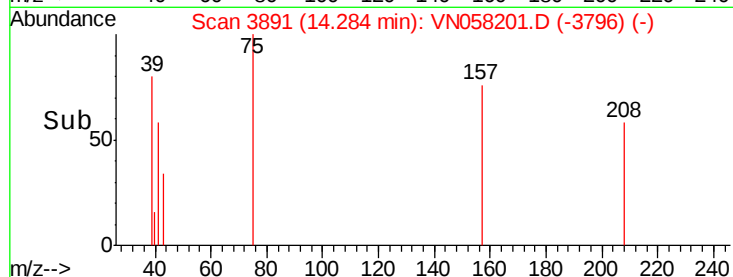
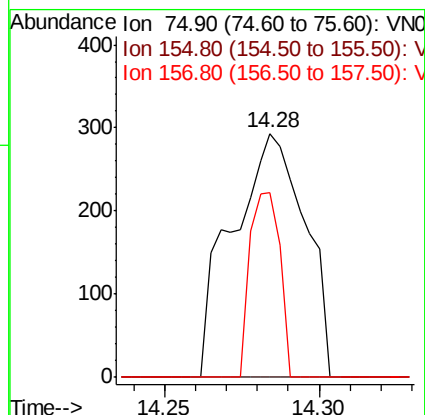
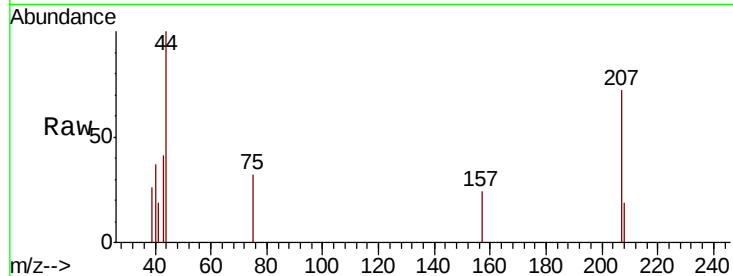




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.491 ug/l
 RT: 14.28 min Scan# 3891
 Delta R.T. 0.01 min
 Lab File: VN058201.D
 Acq: 19 Sep 2019 13:29

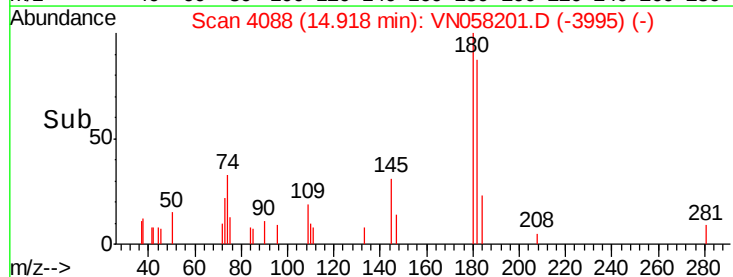
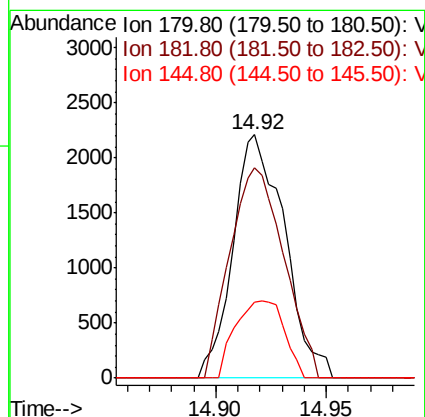
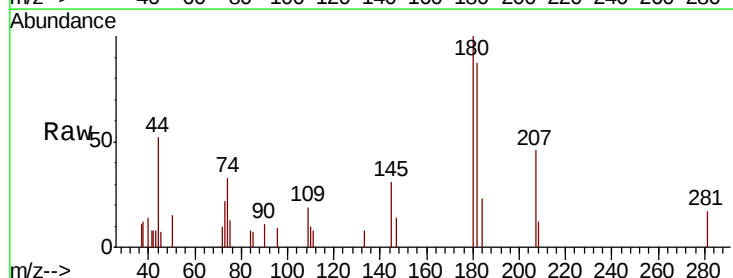
Instrument :
 MSVOA_N
 ClientSampleId :

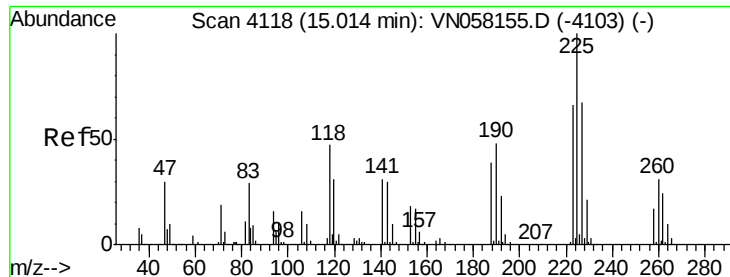
Tot Ion: 75 Resp: 481
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.3 114.8#
 157 31.2 48.0 144.0#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.751 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058201.D
 Acq: 19 Sep 2019 13:29

Tgt Ion: 180 Resp: 3595
 Ion Ratio Lower Upper
 180 100
 182 90.3 47.8 143.3
 145 30.2 15.4 46.4





#94

Hexachlorobutadiene

Concen: 0.286 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

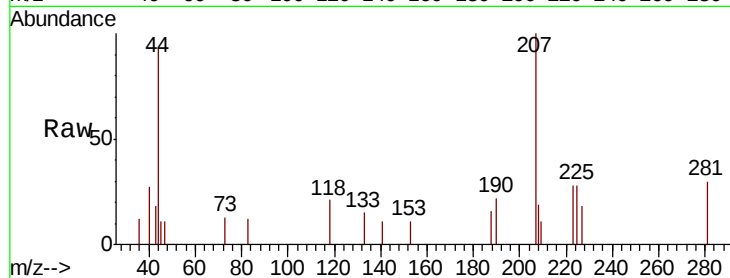
Tot Ion:225 Resp: 662

Ion Ratio Lower Upper

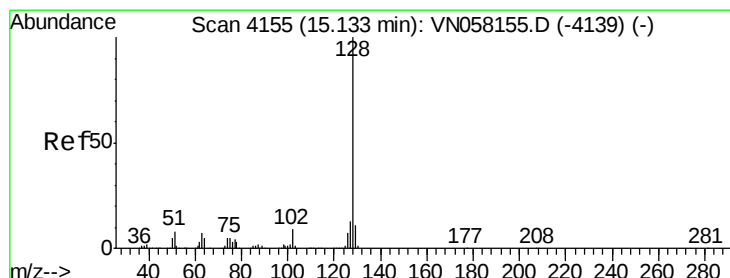
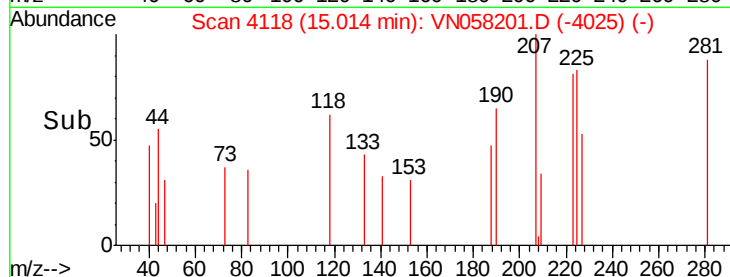
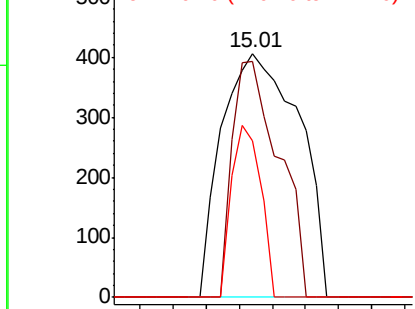
225 100

223 58.2 32.6 97.7

227 26.6 33.0 99.0#



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: 1.244 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058201.D

Acq: 19 Sep 2019 13:29

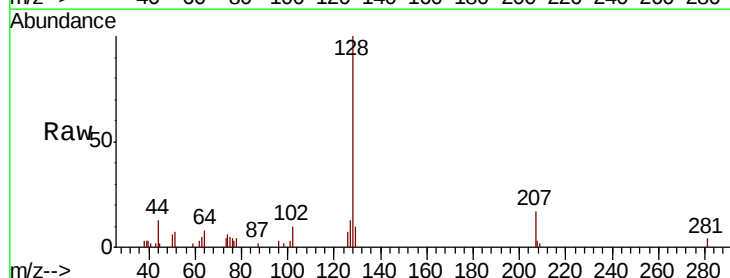
Tgt Ion:128 Resp: 15438

Ion Ratio Lower Upper

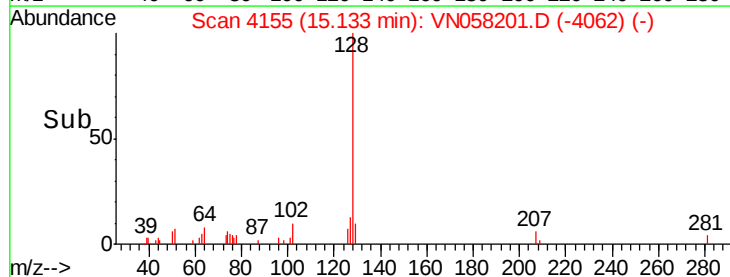
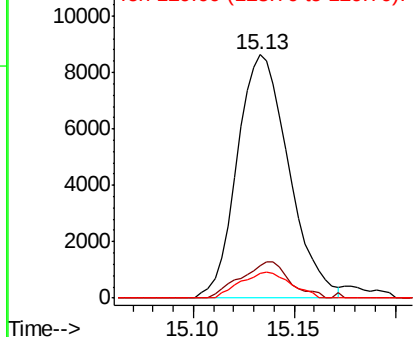
128 100

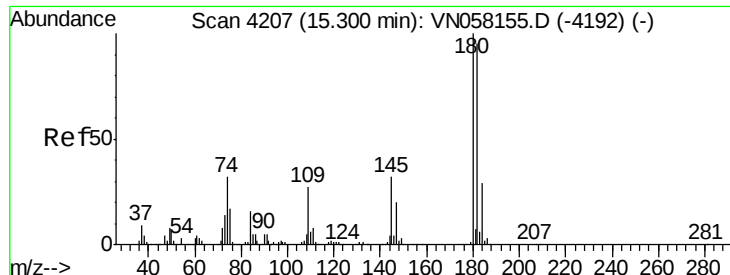
127 14.0 10.2 15.2

129 10.4 8.6 12.8



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

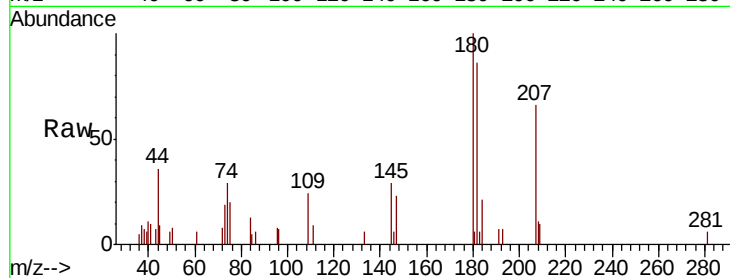




#96
 1,2,3-Trichlorobenzene
 Concen: 0.936 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058201.D
 Acq: 19 Sep 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.6	47.4	142.2
145	34.0	16.1	48.2



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

