

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058270.D
 Acq On : 20 Sep 2019 22:36
 Operator : JC/SP
 Sample : K4975-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D2-20190917

Quant Time: Sep 20 23:56:43 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	480549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	790681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	686346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	279331	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	354058	52.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.80%	
35) Dibromofluoromethane	7.58	113	245558	51.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.18%	
50) Toluene-d8	10.08	98	1013997	54.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.28%	
62) 4-Bromofluorobenzene	12.41	95	322759	46.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.84	85	1747	0.443	ug/l	90
3) Chloromethane	2.03	50	1383	Below Cal	#	71
5) Bromomethane	2.55	94	593	1.054	ug/l #	58
6) Chloroethane	2.67	64	114	Below Cal	#	44
9) 1,1,2-Trichlorotrifluoroet	3.74	101	83823	21.577	ug/l	99
12) 1,1-Dichloroethene	3.72	96	13469	4.243	ug/l	93
14) Allyl chloride	4.04	41	13596	2.139	ug/l #	66
16) Acetone	3.81	43	5559	2.447	ug/l	96
17) Carbon Disulfide	4.03	76	510	0.393	ug/l #	74
18) Methyl Acetate	4.32	43	2435	0.407	ug/l #	68
20) Methylene Chloride	4.52	84	301	Below Cal	#	27
21) trans-1,2-Dichloroethene	5.01	96	91	Below Cal	#	5
24) 1,1-Dichloroethane	5.83	63	7603	0.882	ug/l #	85
27) cis-1,2-Dichloroethene	6.82	96	15311	3.142	ug/l	87
29) Tetrahydrofuran	7.21	42	975	0.511	ug/l #	69
30) Chloroform	7.36	83	4984	0.537	ug/l	91
31) Cyclohexane	7.65	56	12905	Below Cal	#	31
36) 1,1-Dichloropropene	7.65	75	42399	7.436	ug/l #	51
38) Carbon Tetrachloride	7.76	117	3866	0.674	ug/l	90
39) Methylcyclohexane	8.82	83	49889	9.107	ug/l #	1
41) Methacrylonitrile	7.21	41	604	1.110	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	2543	0.348	ug/l #	78
43) Isopropyl Acetate	8.24	43	7970	0.721	ug/l #	57
44) Trichloroethene	8.82	130	3490117	818.918	ug/l	100
49) 1,4-Dioxane	9.19	88	1914	23.233	ug/l #	73
51) 4-Methyl-2-Pentanone	9.92	43	2157	0.367	ug/l #	37
55) 1,1,2-Trichloroethane	10.55	97	2520	0.520	ug/l #	82
60) Dibromochloromethane	10.63	129	21980	4.717	ug/l #	11
64) Tetrachloroethene	10.63	164	23869	7.134	ug/l	96
71) Bromoform	12.40	173	1546	4.037	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	182566	36.519	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	182566	101.907	ug/l #	5

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Response via : Initial Calibration

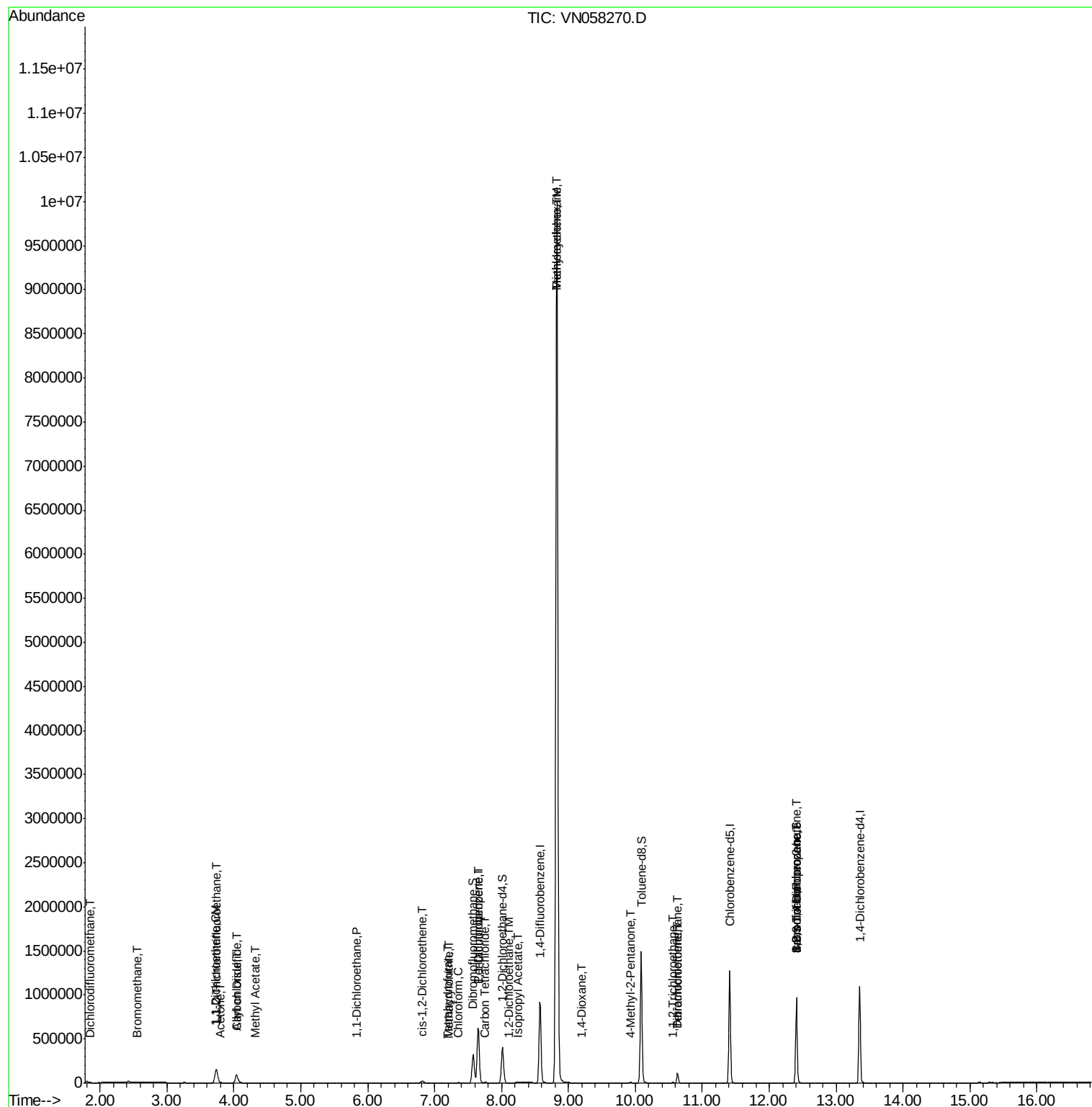
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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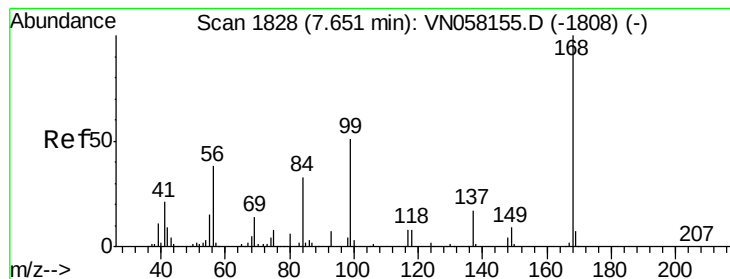
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
Data File : VN058270.D
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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: VN058270.D

Acq: 20 Sep 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

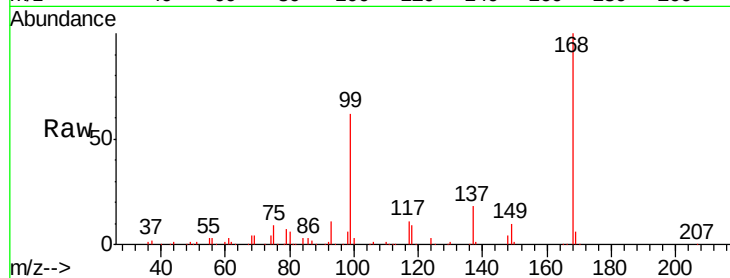
RE120D2-20190917

Tgt Ion:168 Resp: 480549

Ion Ratio Lower Upper

168 100

99 62.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

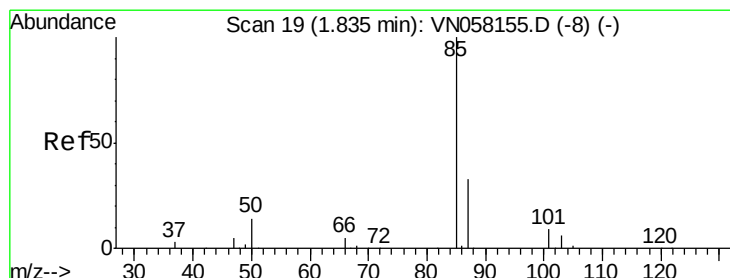
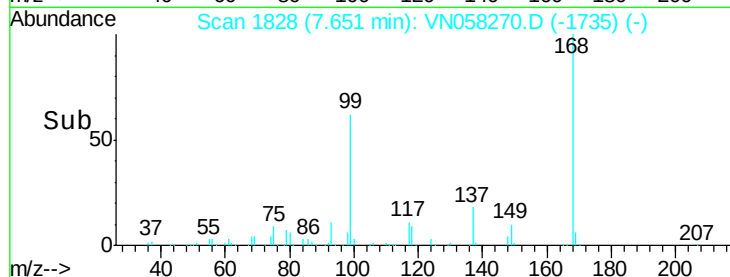
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.443 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058270.D

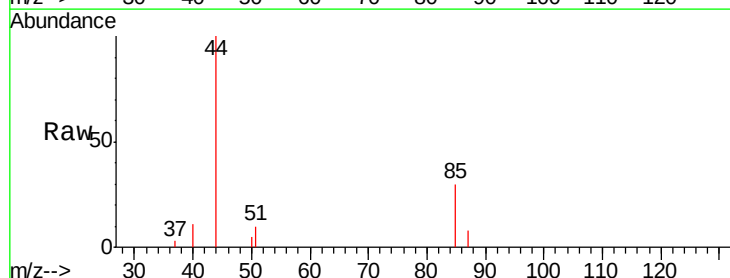
Acq: 20 Sep 2019 22:36

Tgt Ion: 85 Resp: 1747

Ion Ratio Lower Upper

85 100

87 27.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

1500

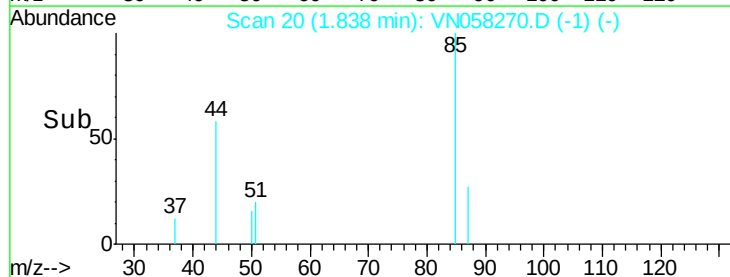
1000

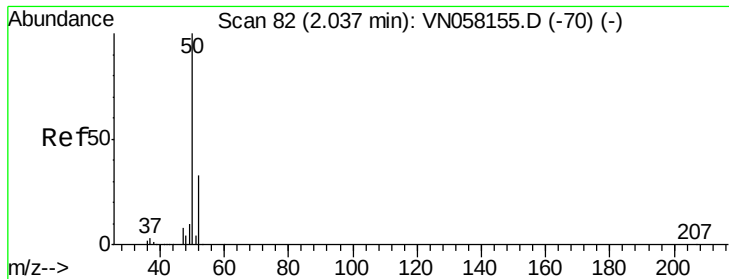
500

0

1.80 1.82 1.84 1.86 1.88

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

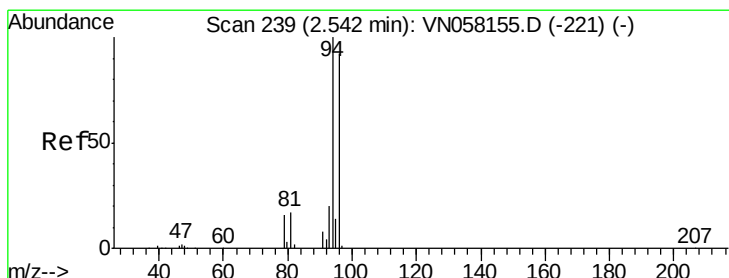
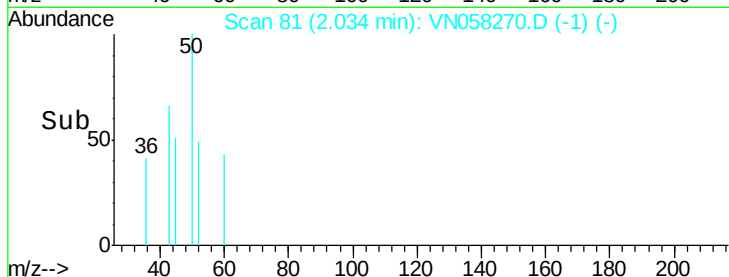
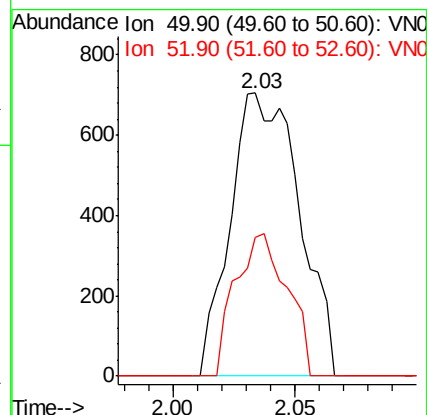
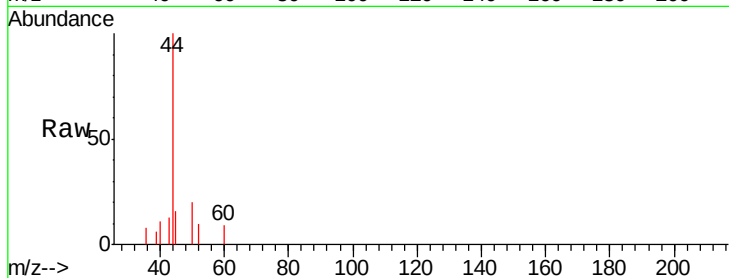
RE120D2-20190917

Tgt Ion: 50 Resp: 1383

Ion Ratio Lower Upper

50 100

52 49.2 26.3 39.5#



#5

Bromomethane

Concen: 1.054 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN058270.D

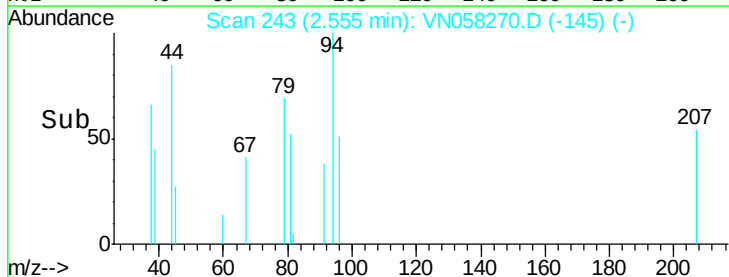
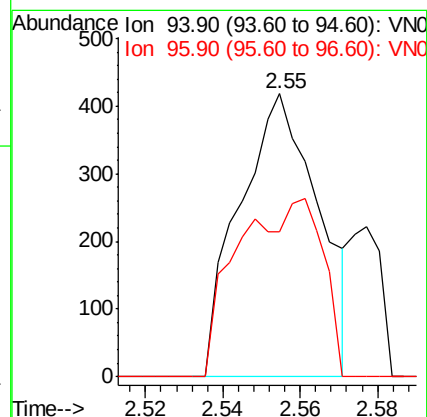
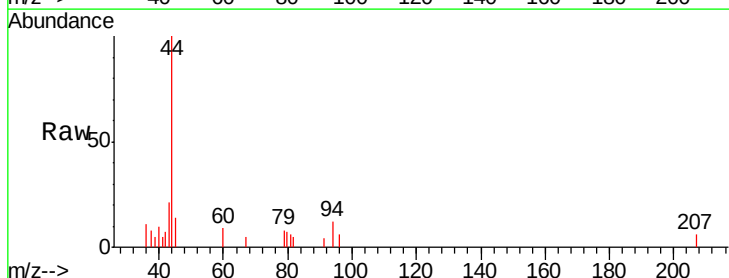
Acq: 20 Sep 2019 22:36

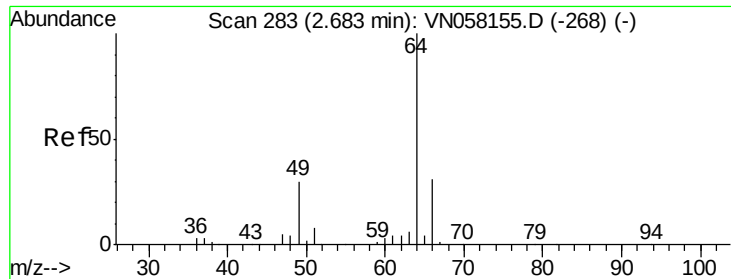
Tgt Ion: 94 Resp: 593

Ion Ratio Lower Upper

94 100

96 51.2 73.3 109.9#





#6

Chloroethane

Concen: Below Cal

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

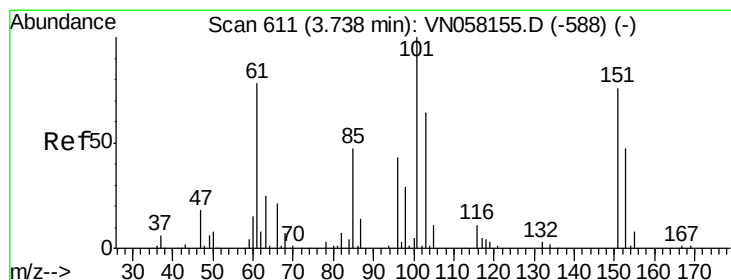
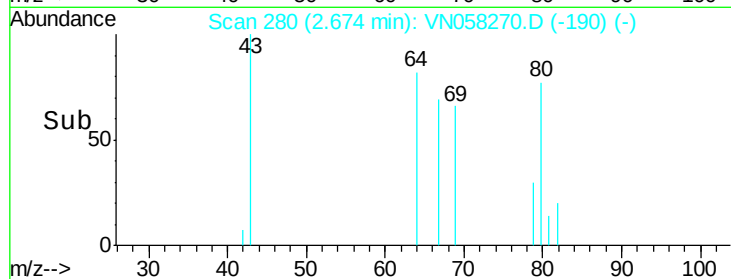
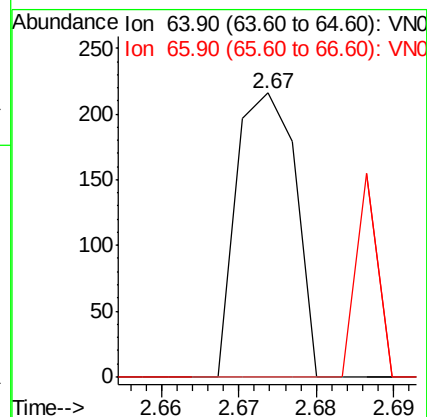
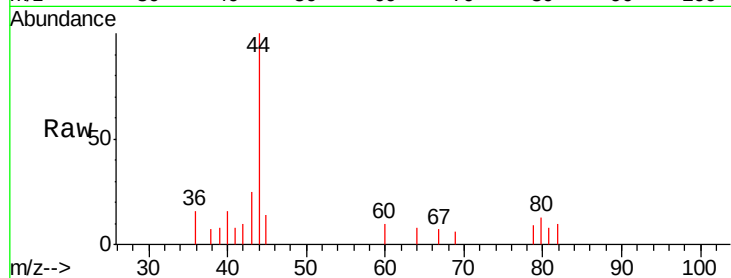
RE120D2-20190917

Tgt Ion: 64 Resp: 114

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.577 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

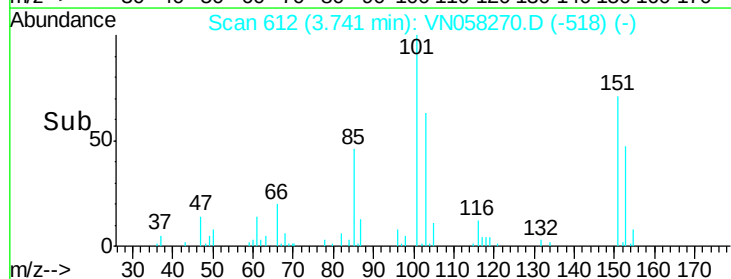
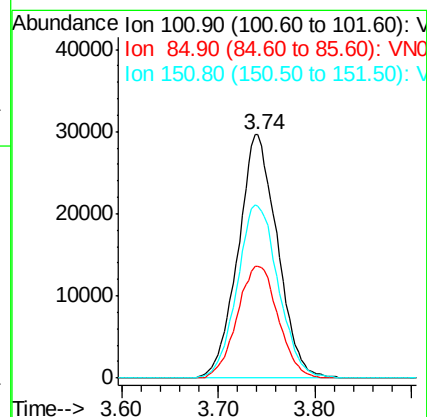
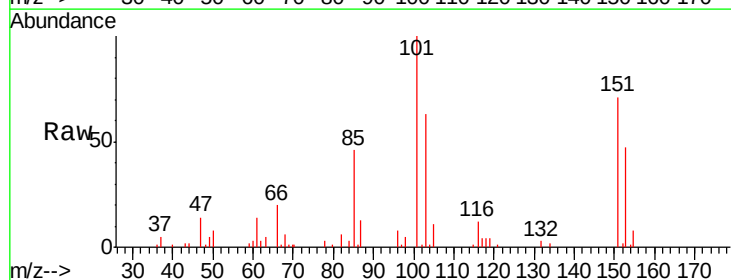
Tgt Ion: 101 Resp: 83823

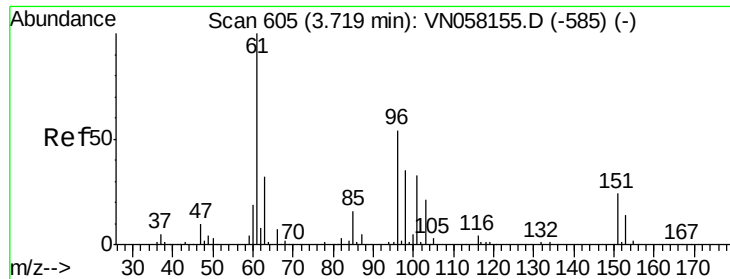
Ion Ratio Lower Upper

101 100

85 47.9 37.3 55.9

151 74.3 59.6 89.4





#12

1,1-Dichloroethene

Concen: 4.243 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

RE120D2-20190917

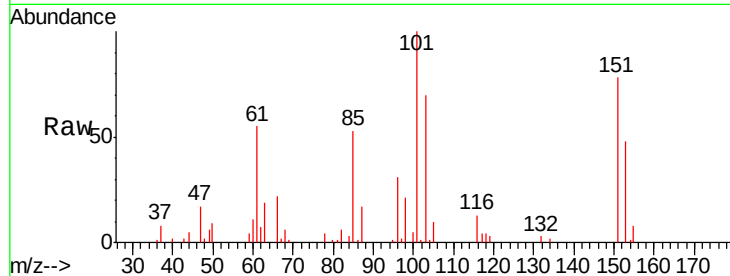
Tgt Ion: 96 Resp: 13469

Ion Ratio Lower Upper

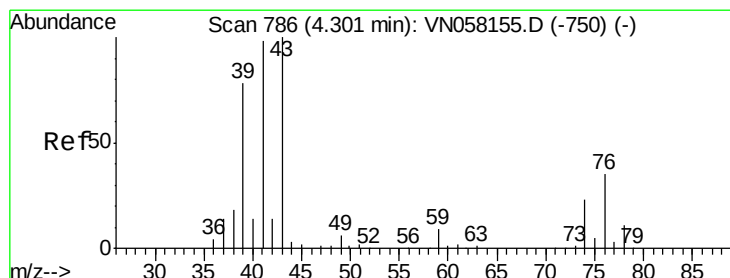
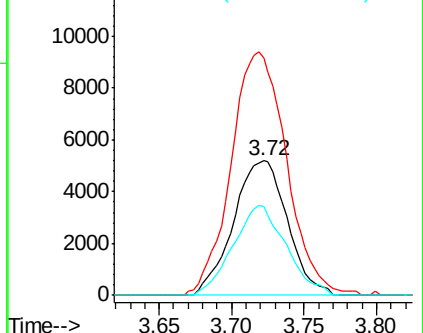
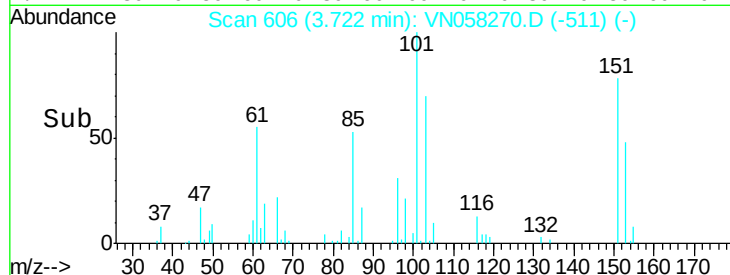
96 100

61 173.0 149.5 224.3

98 65.7 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VN058270.D (-511) (-)



#14

Allyl chloride

Concen: 2.139 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.26 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

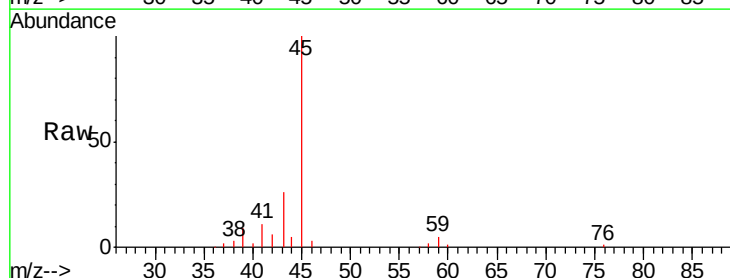
Tgt Ion: 41 Resp: 13596

Ion Ratio Lower Upper

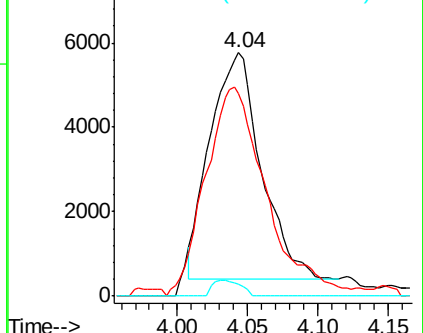
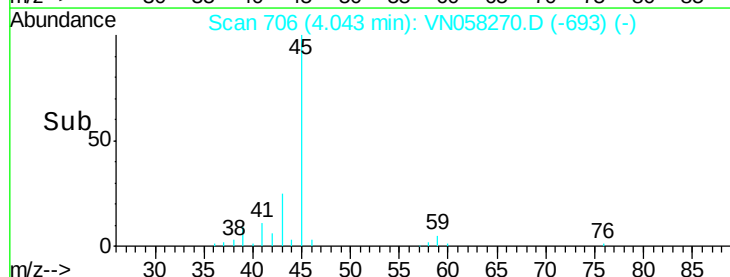
41 100

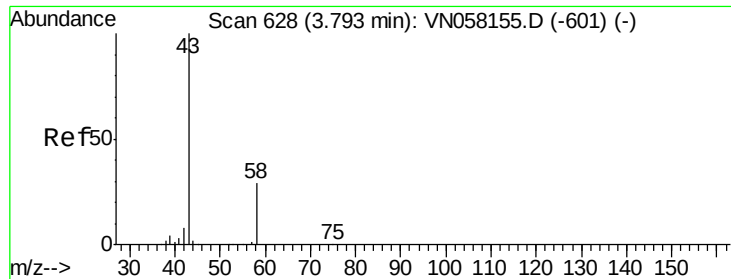
39 96.8 59.1 88.7#

76 3.8 25.1 37.7#



Abundance Ion 41.00 (40.70 to 41.70): VN058270.D (-693) (-)





#16

Acetone

Concen: 2.447 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.02 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

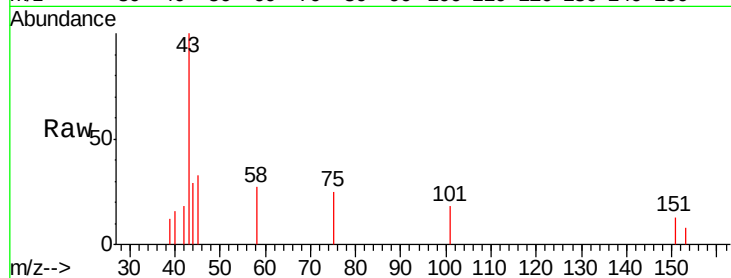
RE120D2-20190917

Tgt Ion: 43 Resp: 5559

Ion Ratio Lower Upper

43 100

58 31.6 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.81

2500

2000

1500

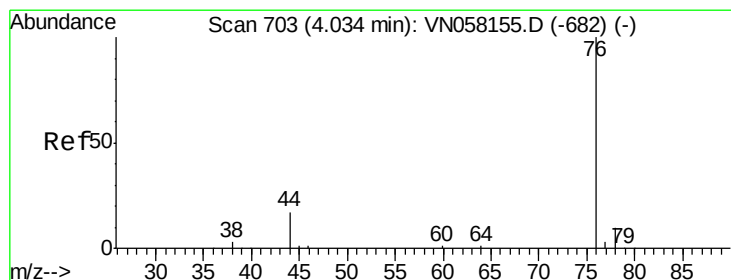
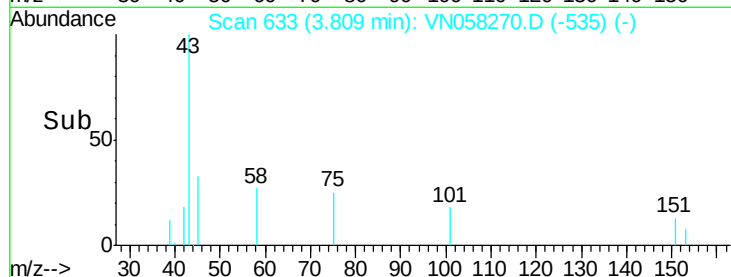
1000

500

0

Time-->

3.75 3.80 3.85



#17

Carbon Disulfide

Concen: 0.393 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058270.D

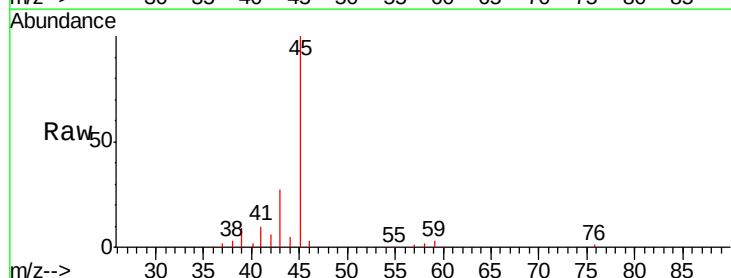
Acq: 20 Sep 2019 22:36

Tgt Ion: 76 Resp: 510

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

400

300

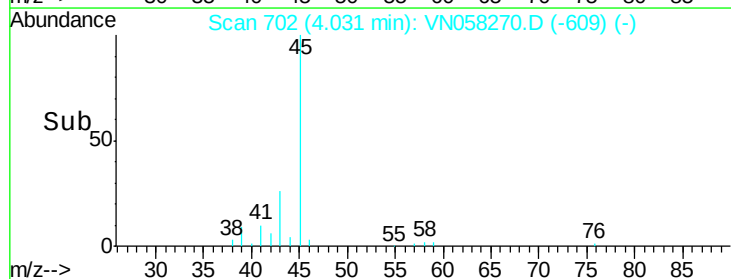
200

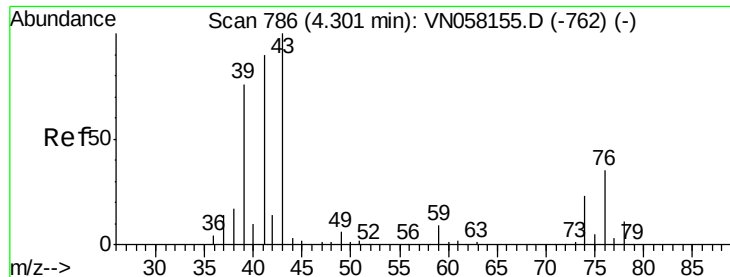
100

0

Time-->

4.00 4.02 4.04 4.06

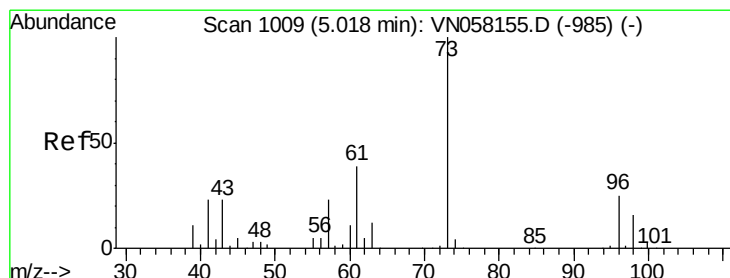
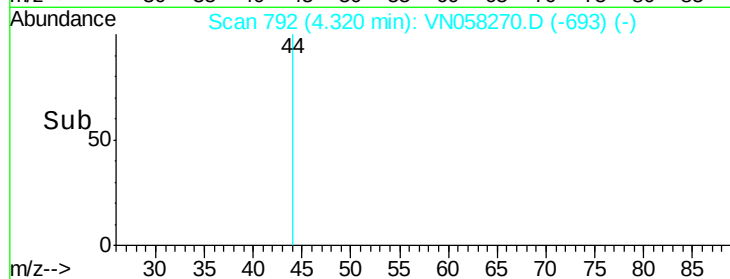
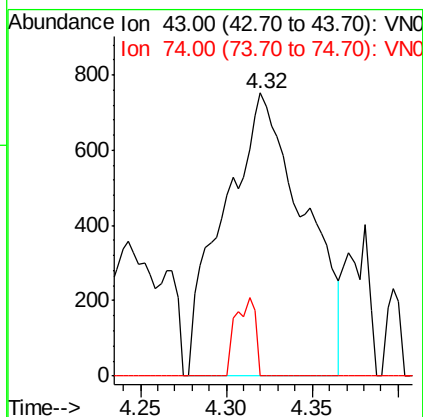
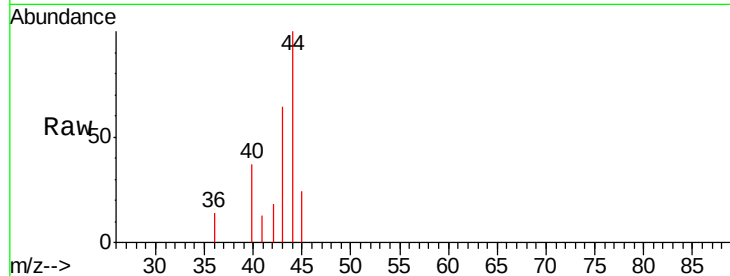




#18
Methyl Acetate
Concen: 0.407 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.02 min
Lab File: VN058270.D
Acq: 20 Sep 2019 22:36

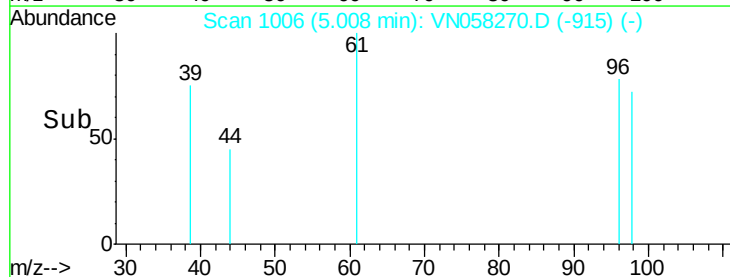
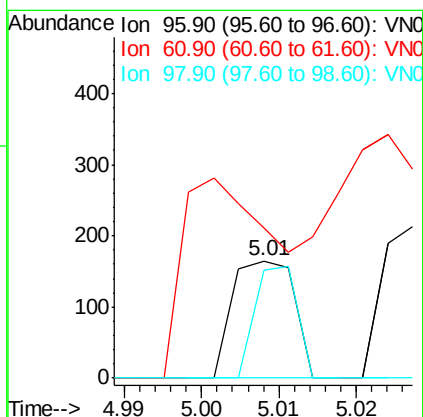
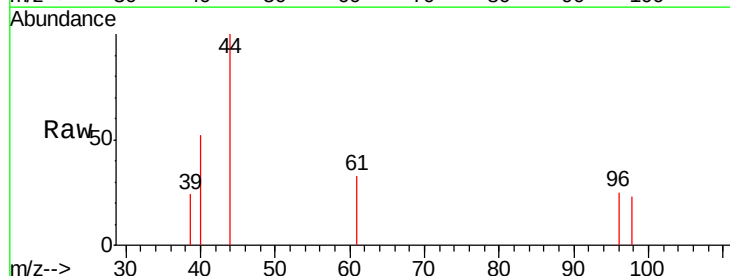
Instrument :
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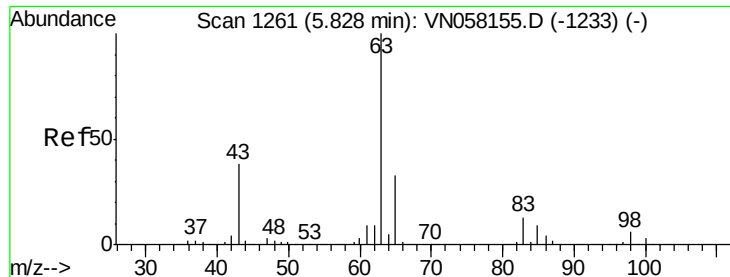
Tgt Ion: 43 Resp: 2435
Ion Ratio Lower Upper
43 100
74 6.9 18.0 27.0#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN058270.D
Acq: 20 Sep 2019 22:36

Tgt Ion: 96 Resp: 91
Ion Ratio Lower Upper
96 100
61 0.0 122.2 183.4#
98 91.5 49.9 74.9#

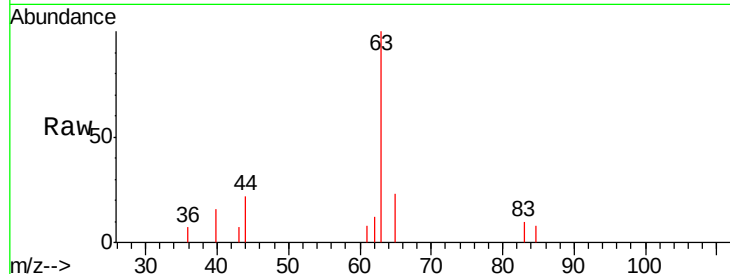




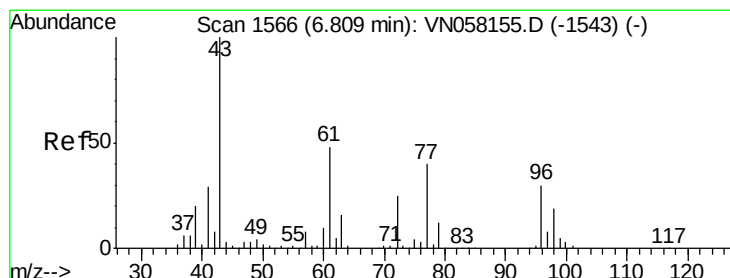
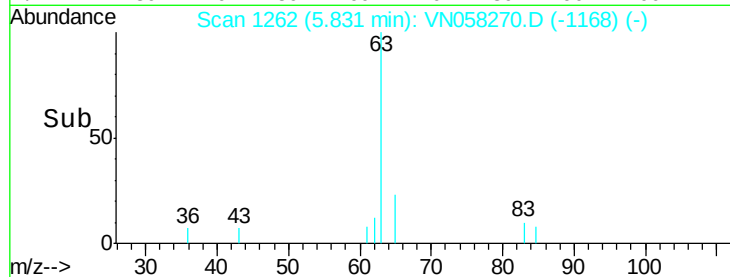
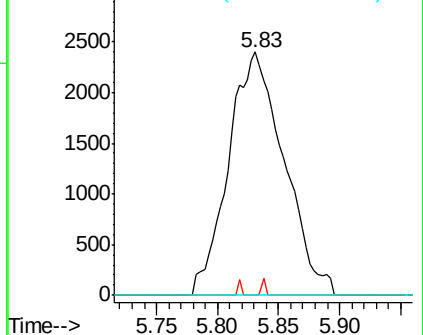
#24
 1,1-Dichloroethane
 Concen: 0.882 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN058270.D
 Acq: 20 Sep 2019 22:36

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D2-20190917

Tgt Ion: 63 Resp: 7603
 Ion Ratio Lower Upper
 63 100
 98 0.0 2.9 8.6#
 100 0.0 1.8 5.3#

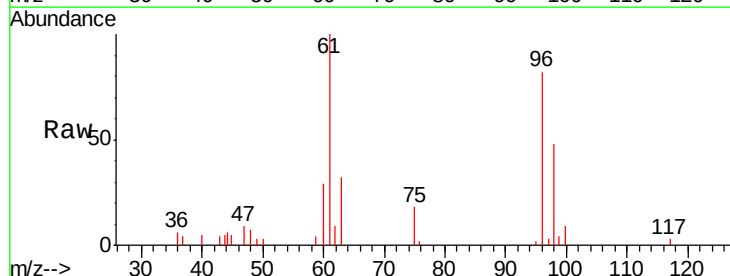


Abundance Ion 62.90 (62.60 to 63.60): VNO
 Ion 97.90 (97.60 to 98.60): VNO
 Ion 99.90 (99.60 to 100.60): VNO

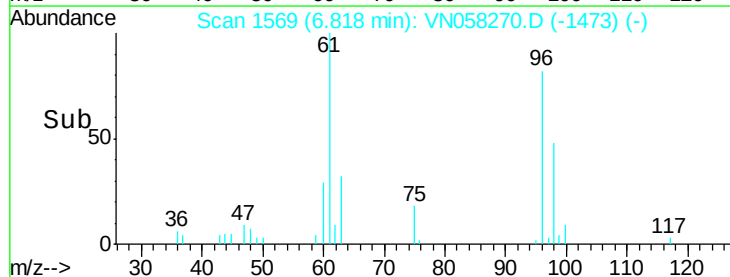
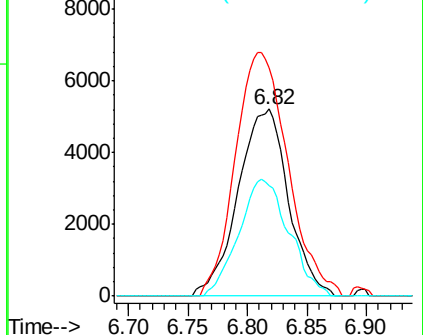


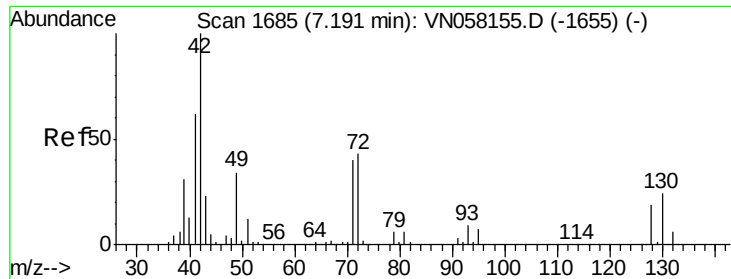
#27
 cis-1,2-Dichloroethene
 Concen: 3.142 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN058270.D
 Acq: 20 Sep 2019 22:36

Tgt Ion: 96 Resp: 15311
 Ion Ratio Lower Upper
 96 100
 61 135.7 0.0 319.0
 98 62.0 0.0 126.6



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





#29

Tetrahydrofuran

Concen: 0.511 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. 0.02 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

RE120D2-20190917

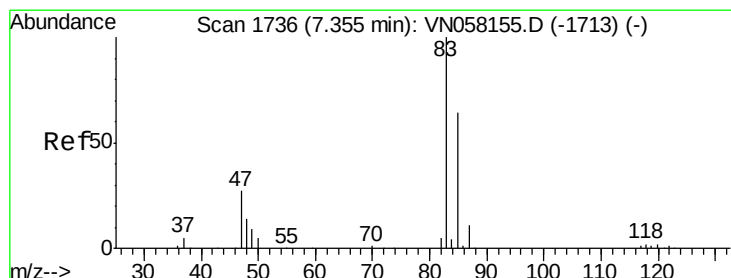
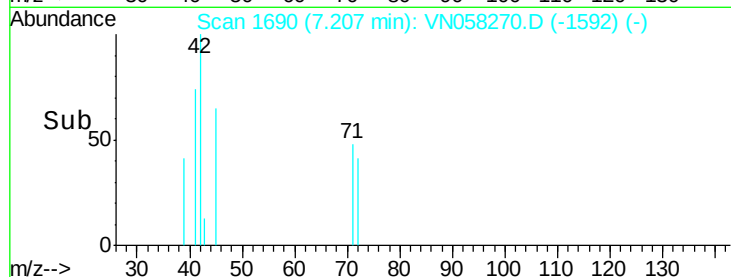
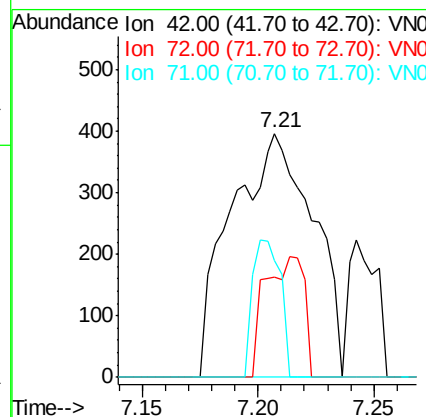
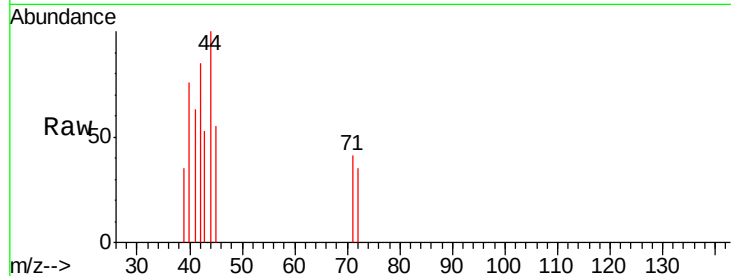
Tgt Ion: 42 Resp: 975

Ion Ratio Lower Upper

42 100

72 23.5 33.8 50.6#

71 19.2 31.4 47.0#



#30

Chloroform

Concen: 0.537 ug/l

RT: 7.36 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VN058270.D

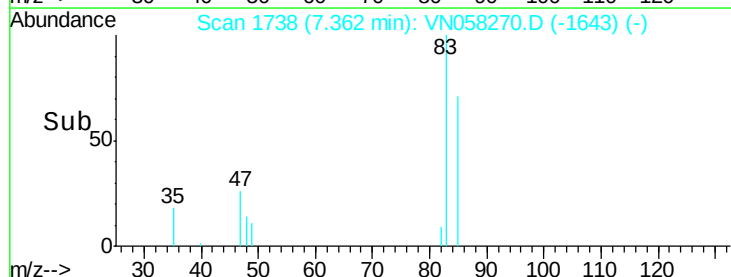
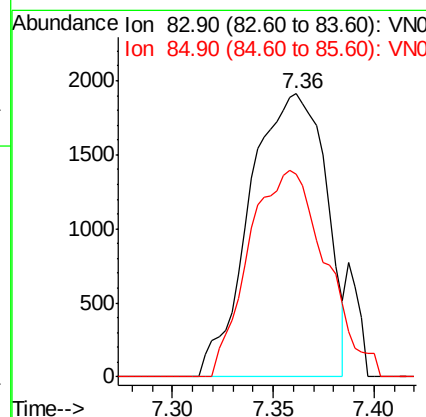
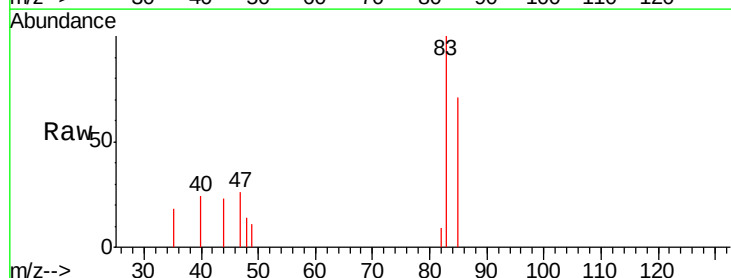
Acq: 20 Sep 2019 22:36

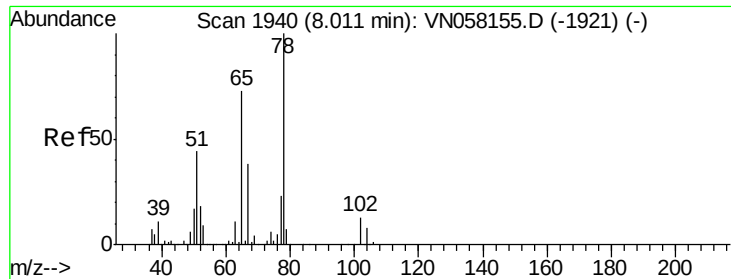
Tgt Ion: 83 Resp: 4984

Ion Ratio Lower Upper

83 100

85 71.5 51.4 77.2

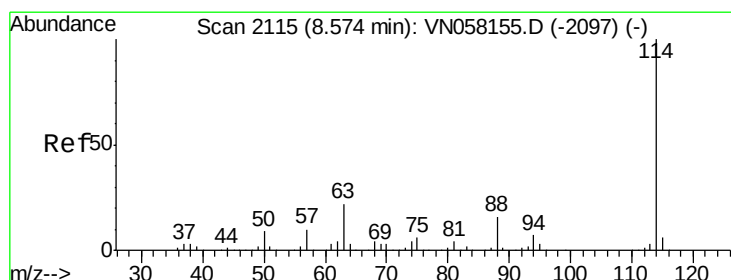
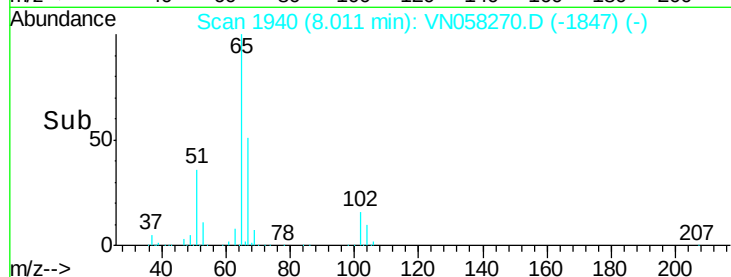
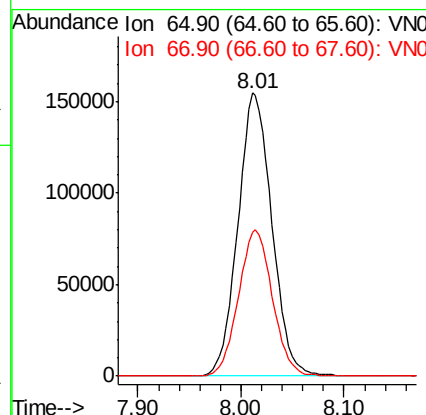
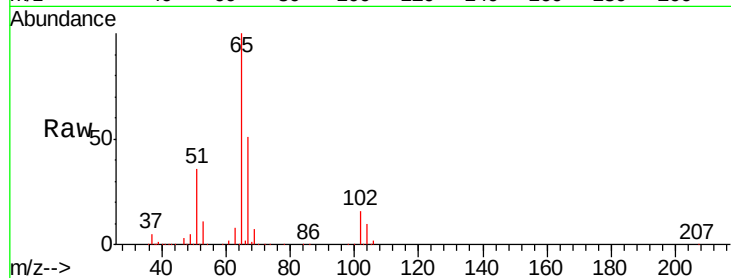




#33
 1,2-Dichloroethane-d4
 Concen: 52.899 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058270.D
 Acq: 20 Sep 2019 22:36

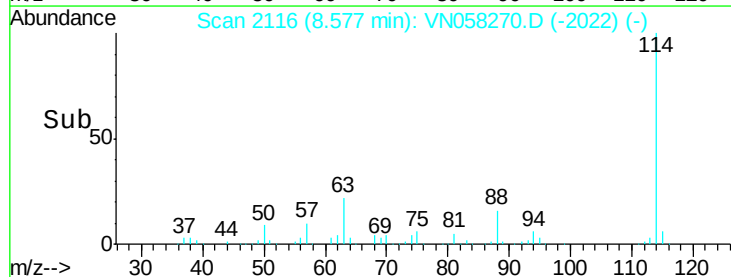
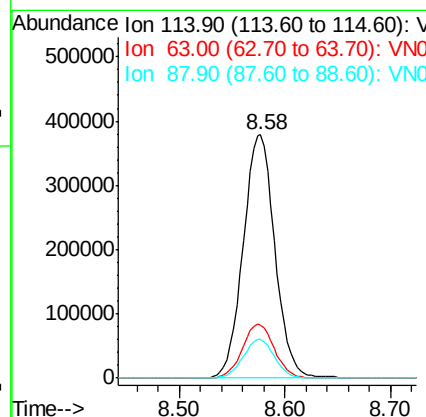
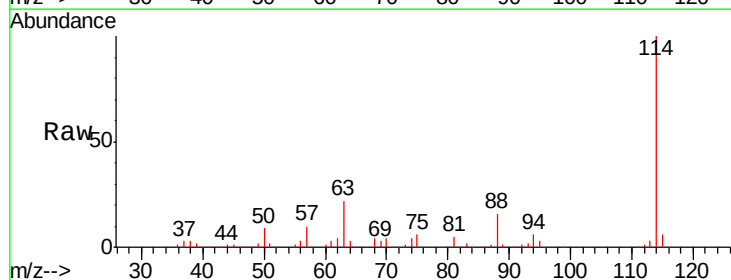
Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D2-20190917

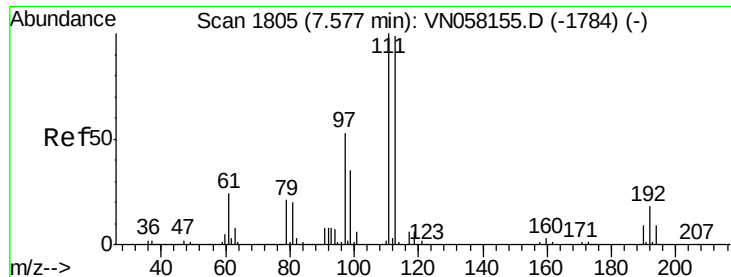
Tgt Ion: 65 Resp: 354058
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058270.D
 Acq: 20 Sep 2019 22:36

Tgt Ion: 114 Resp: 790681
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 44.2
 88 15.8 0.0 31.6

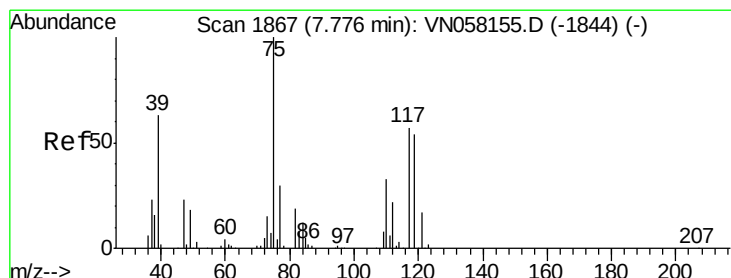
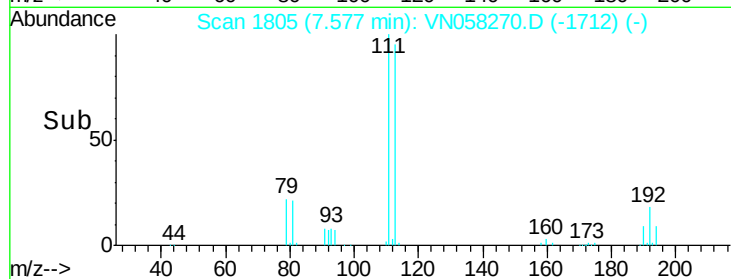
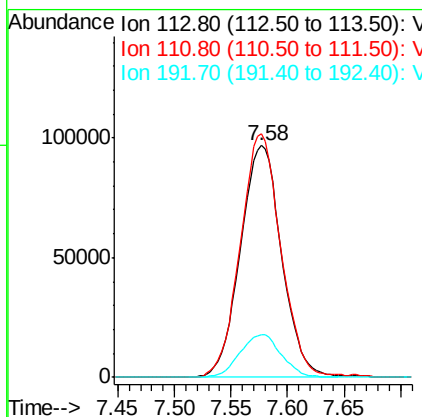
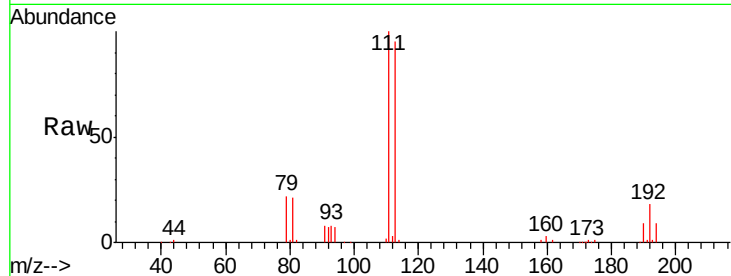




#35
 Dibromofluoromethane
 Concen: 51.087 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058270.D
 Acq: 20 Sep 2019 22:36

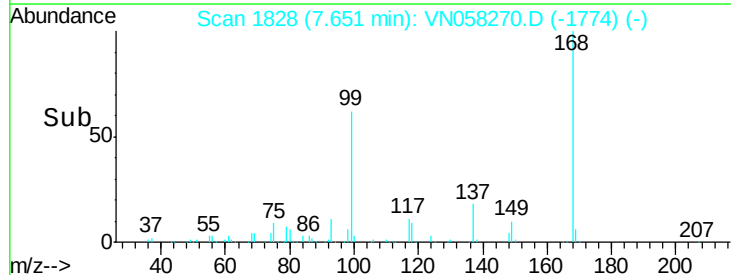
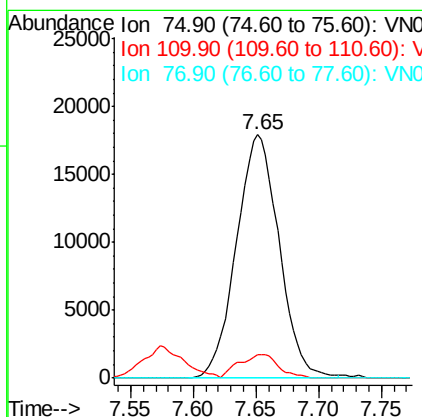
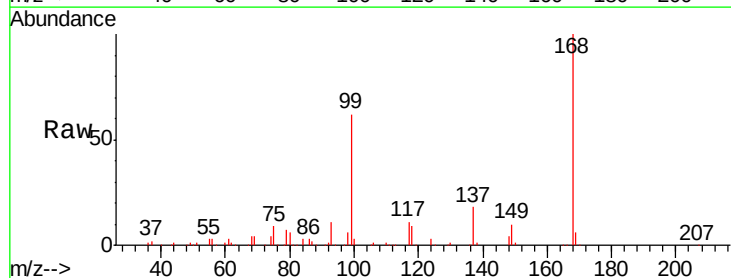
Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D2-20190917

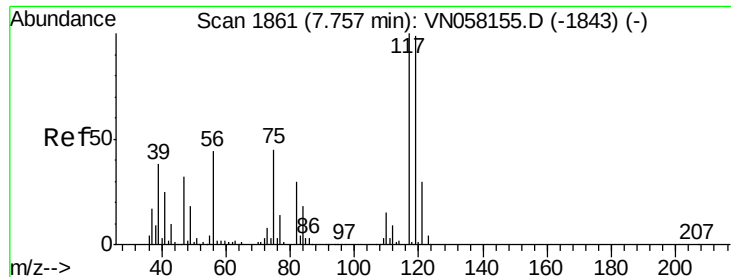
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	18.5	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 7.436 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058270.D
 Acq: 20 Sep 2019 22:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.6	49.7#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 0.674 ug/l

RT: 7.76 min Scan# 1863

Delta R.T. 0.01 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

RE120D2-20190917

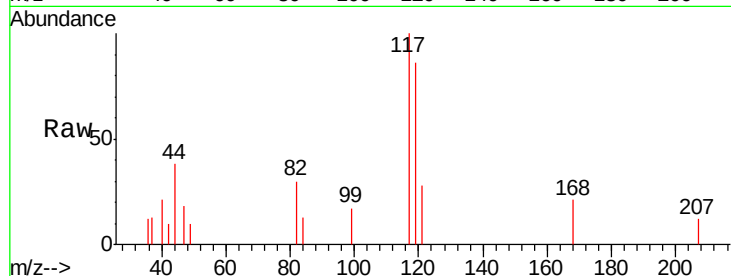
Tgt Ion:117 Resp: 3866

Ion Ratio Lower Upper

117 100

119 86.0 78.6 117.8

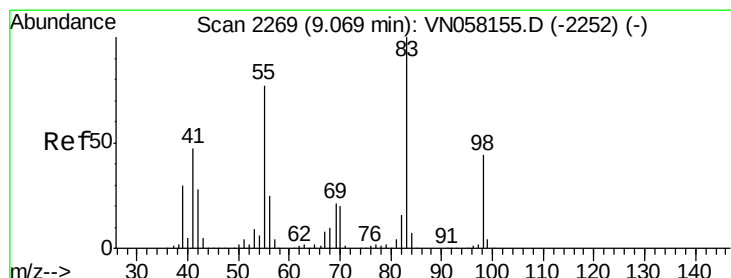
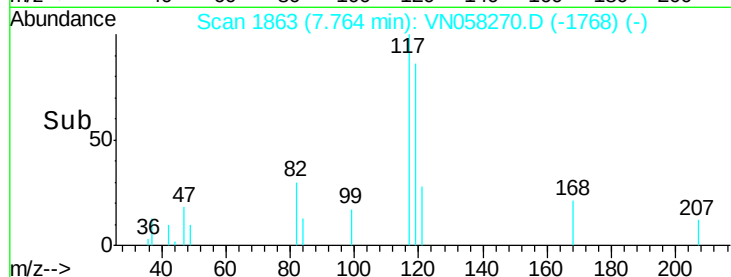
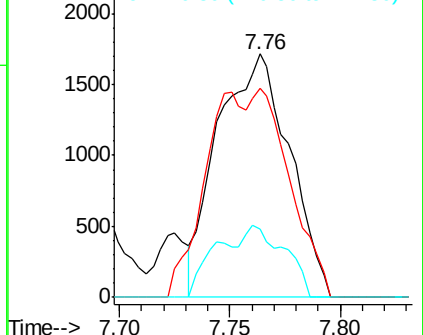
121 27.9 24.1 36.1



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



#39

Methylcyclohexane

Concen: 9.107 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.24 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

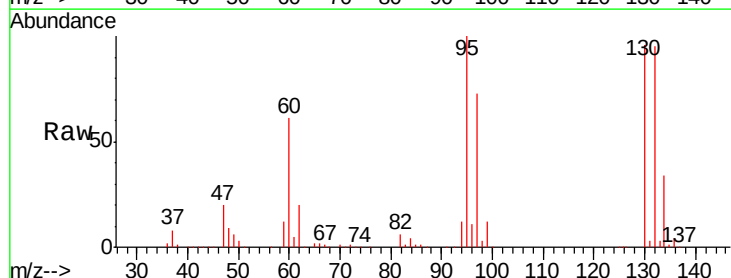
Tgt Ion: 83 Resp: 49889

Ion Ratio Lower Upper

83 100

55 0.0 61.9 92.9#

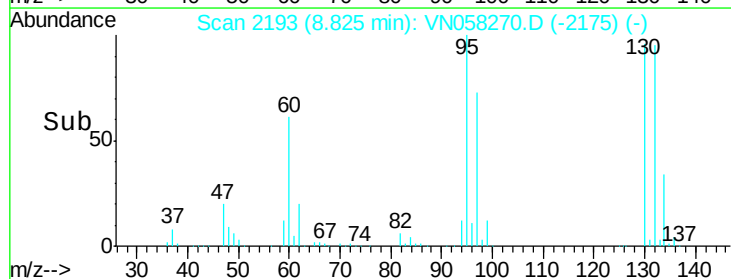
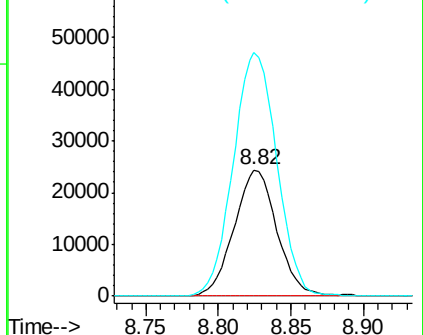
98 192.4 35.4 53.2#

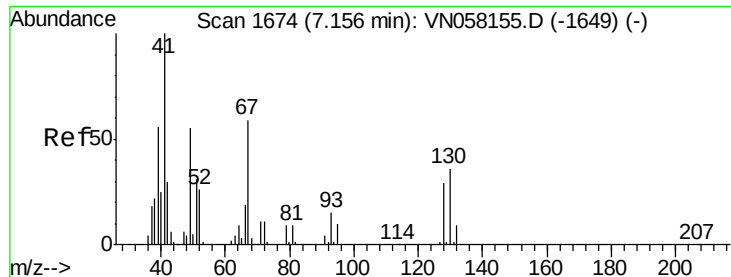


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#41

Methacrylonitrile

Concen: 1.110 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.06 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

RE120D2-20190917

Tgt Ion: 41 Resp: 604

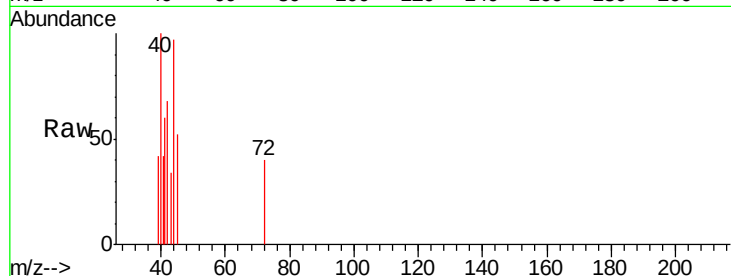
Ion Ratio Lower Upper

41 100

39 25.2 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

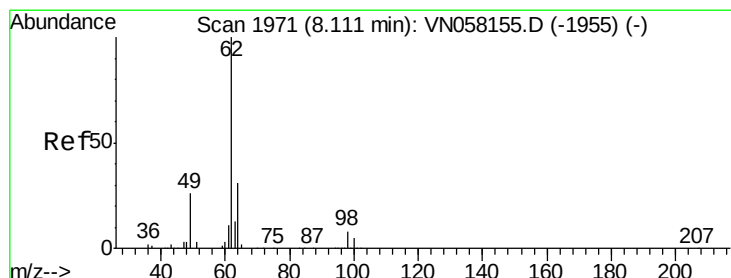
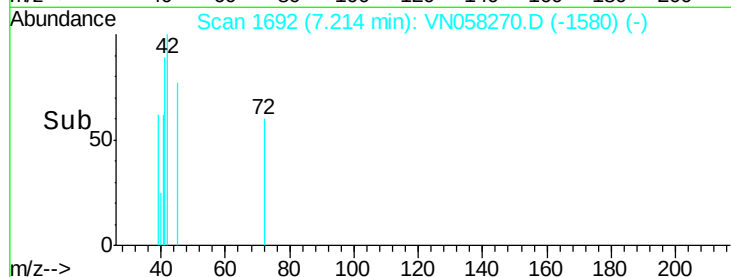
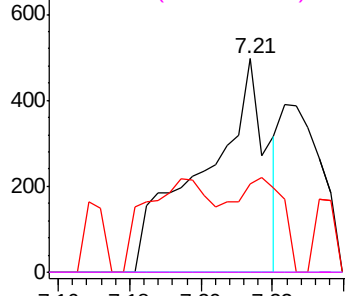


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 0.348 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VN058270.D

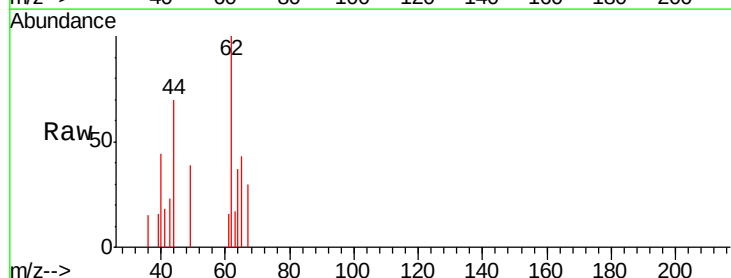
Acq: 20 Sep 2019 22:36

Tgt Ion: 62 Resp: 2543

Ion Ratio Lower Upper

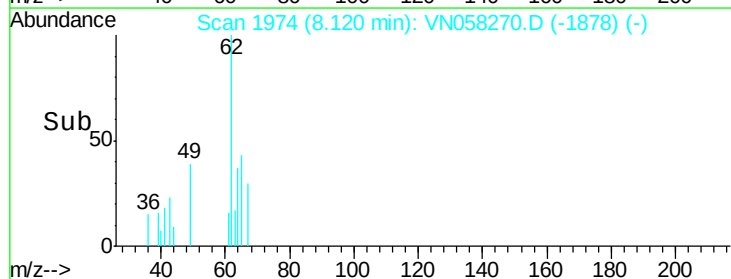
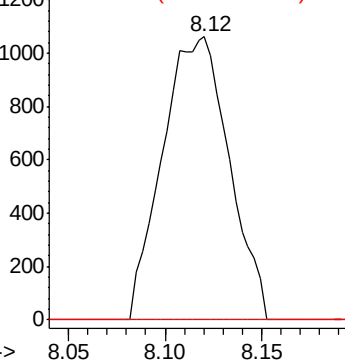
62 100

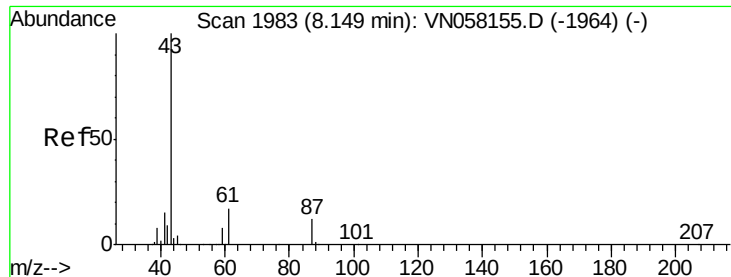
98 0.0 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 0.721 ug/l

RT: 8.24 min Scan# 2010

Delta R.T. 0.09 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

RE120D2-20190917

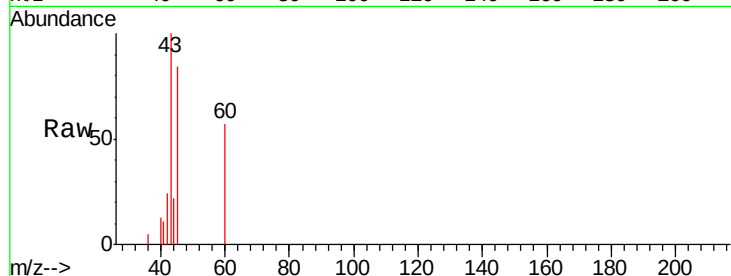
Tgt Ion: 43 Resp: 7970

Ion Ratio Lower Upper

43 100

61 0.0 19.7 29.5#

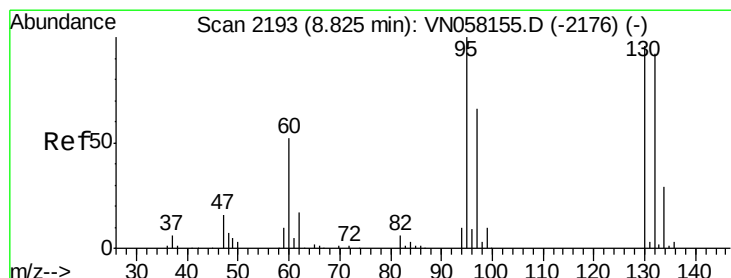
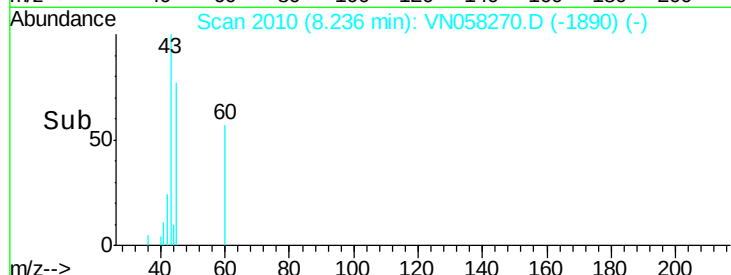
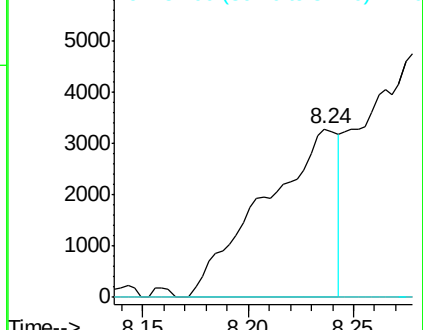
87 0.0 9.4 14.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 818.918 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058270.D

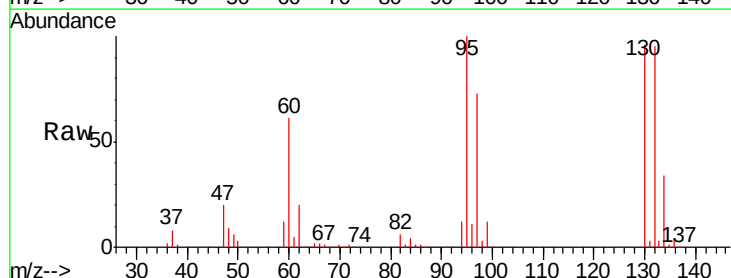
Acq: 20 Sep 2019 22:36

Tgt Ion: 130 Resp: 3490117

Ion Ratio Lower Upper

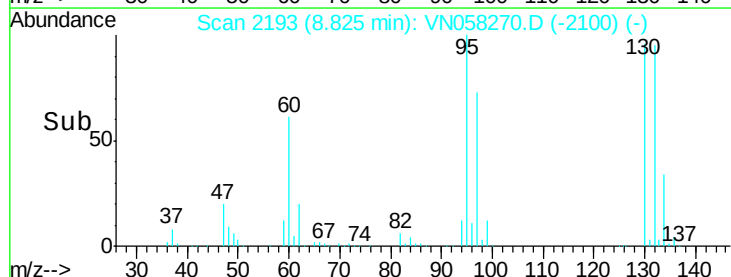
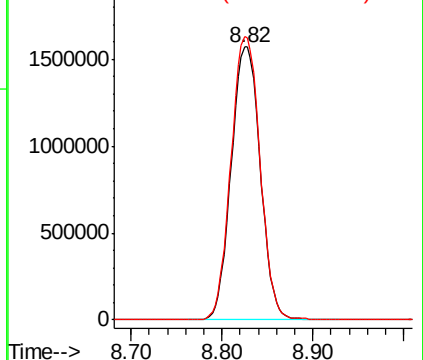
130 100

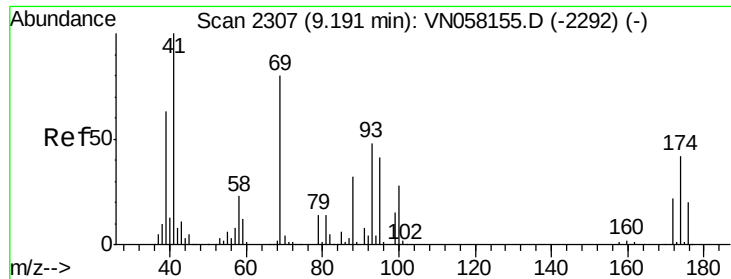
95 103.7 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

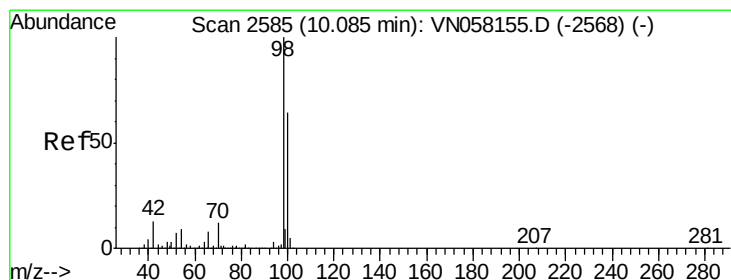
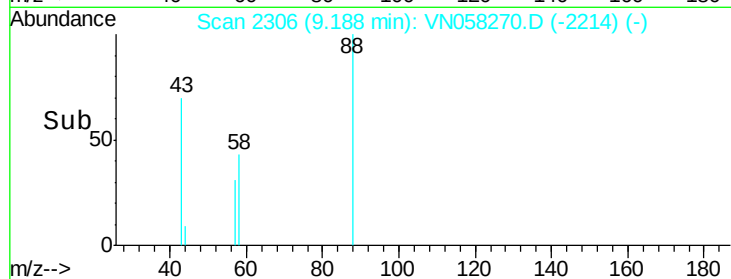
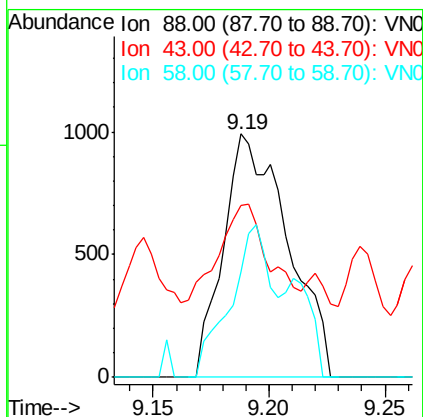
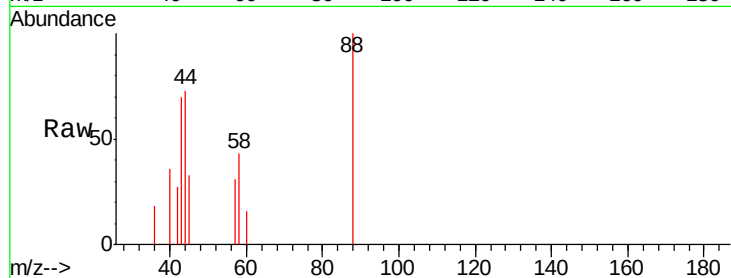




#49
 1,4-Dioxane
 Concen: 23.233 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058270.D
 Acq: 20 Sep 2019 22:36

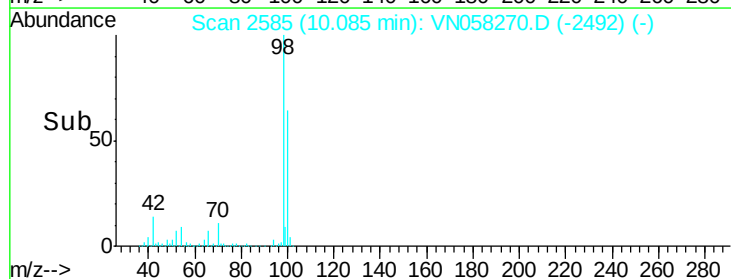
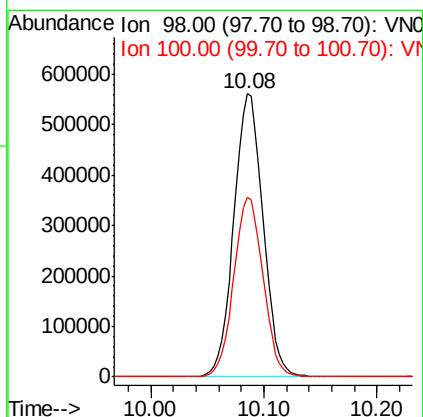
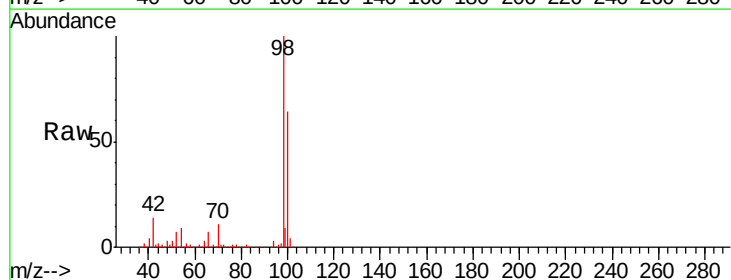
Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D2-20190917

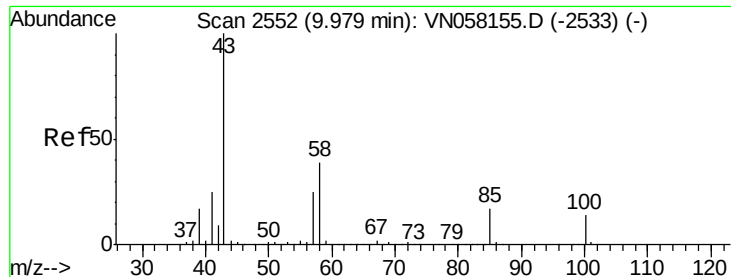
Tgt Ion: 88 Resp: 1914
 Ion Ratio Lower Upper
 88 100
 43 29.7 27.8 41.8
 58 39.8 55.0 82.4#



#50
 Toluene-d8
 Concen: 54.144 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058270.D
 Acq: 20 Sep 2019 22:36

Tgt Ion: 98 Resp: 1013997
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 0.367 ug/l

RT: 9.92 min Scan# 2535

Delta R.T. -0.05 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

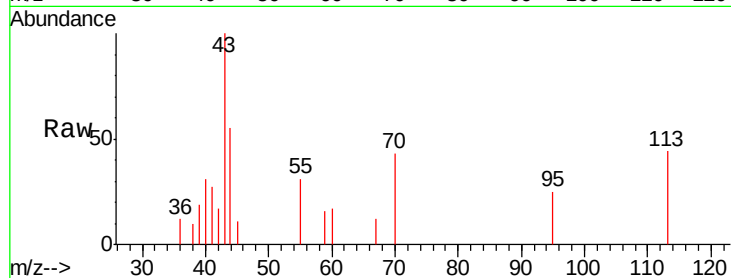
RE120D2-20190917

Tgt Ion: 43 Resp: 2157

Ion Ratio Lower Upper

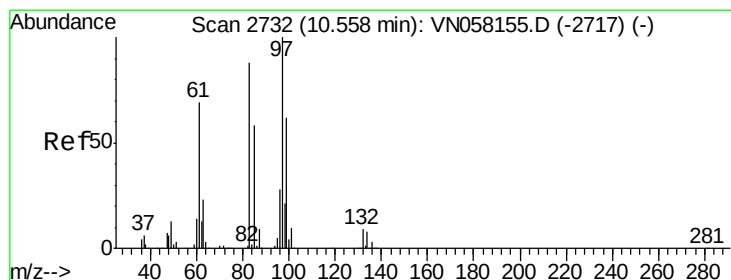
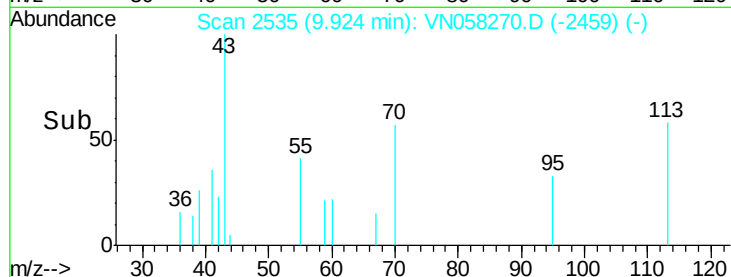
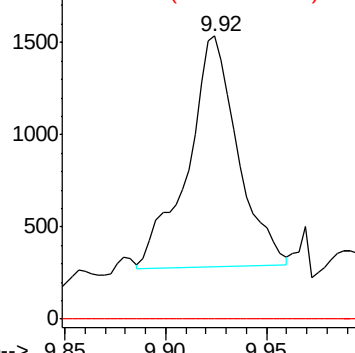
43 100

58 0.0 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#55

1,1,2-Trichloroethane

Concen: 0.520 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

Tgt Ion: 97 Resp: 2520

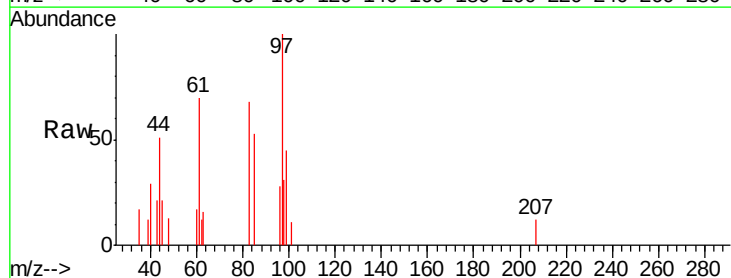
Ion Ratio Lower Upper

97 100

83 68.3 70.4 105.6#

85 52.9 46.8 70.2

99 44.7 49.9 74.9#

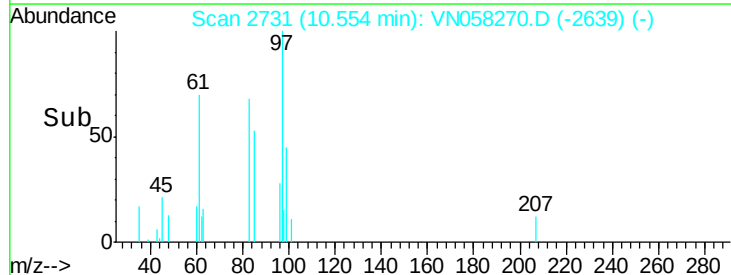
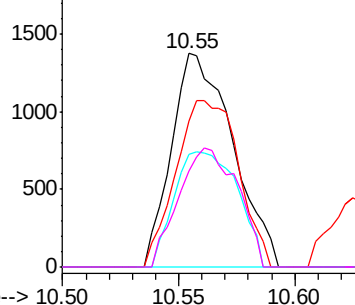


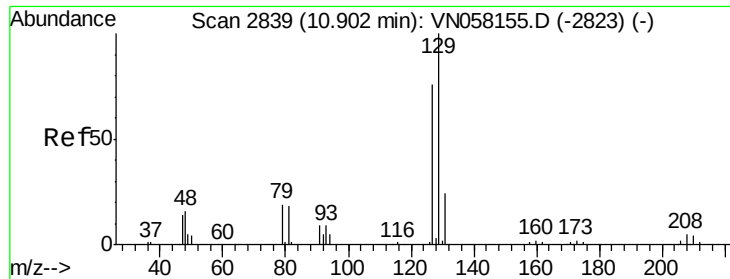
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#60

Dibromochloromethane

Concen: 4.717 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

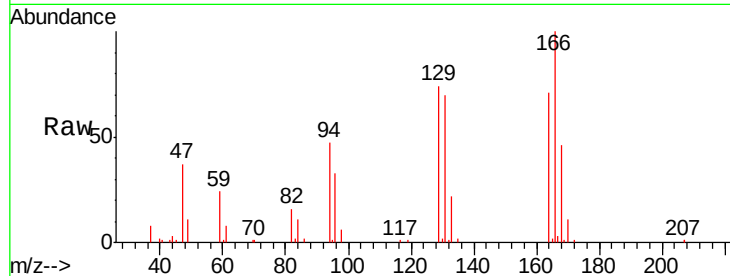
RE120D2-20190917

Tgt Ion: 129 Resp: 21980

Ion Ratio Lower Upper

129 100

127 0.0 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

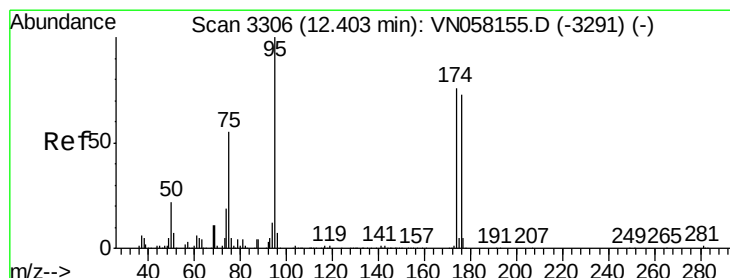
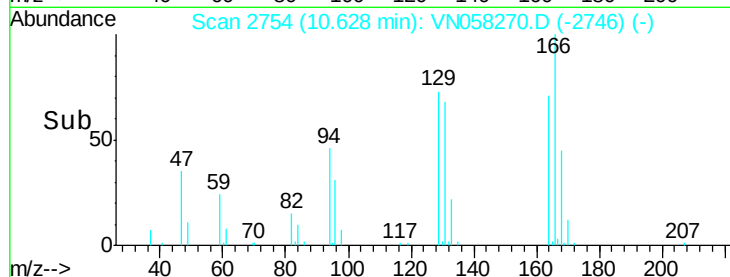
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.396 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

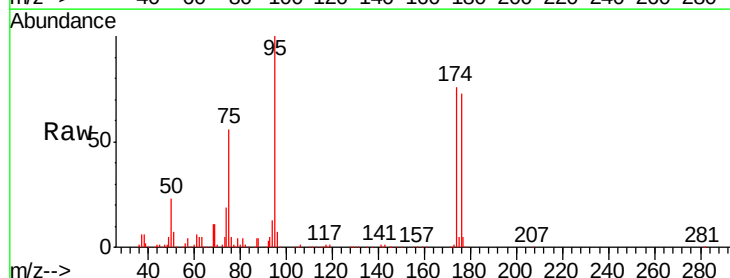
Tgt Ion: 95 Resp: 322759

Ion Ratio Lower Upper

95 100

174 75.7 0.0 152.2

176 72.8 0.0 148.0



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

250000

200000

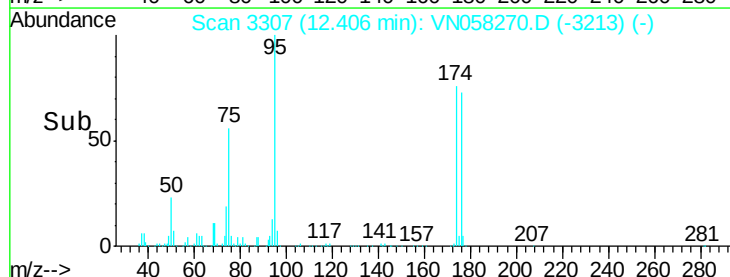
150000

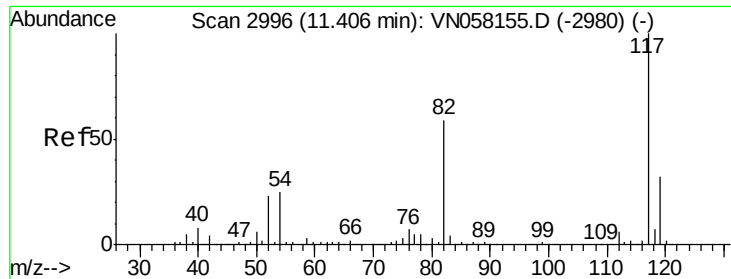
100000

50000

0

Time-->

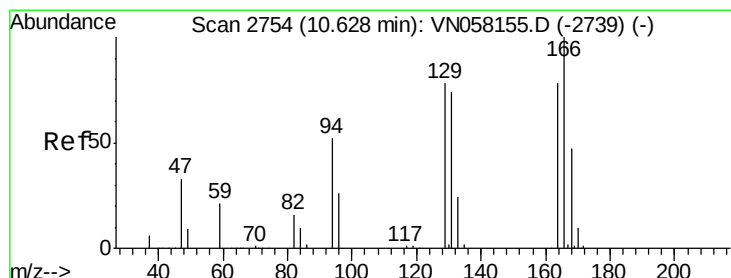
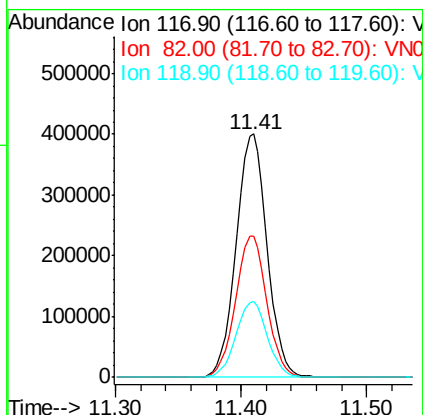
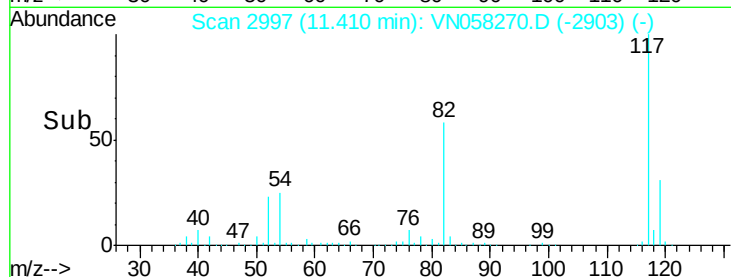
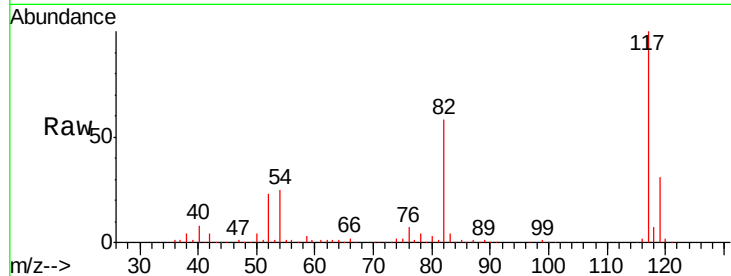




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058270.D
Acq: 20 Sep 2019 22:36

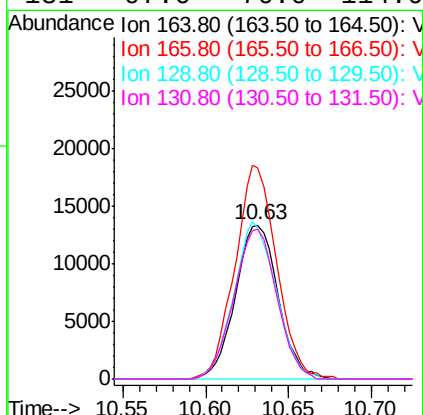
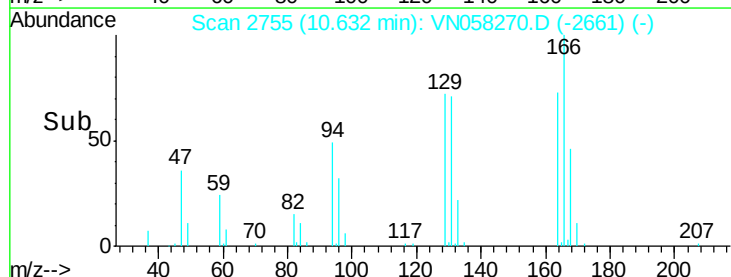
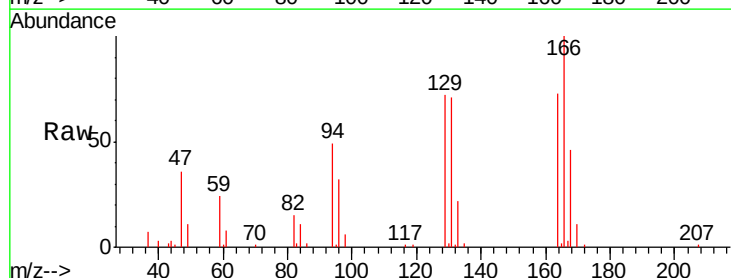
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20190917

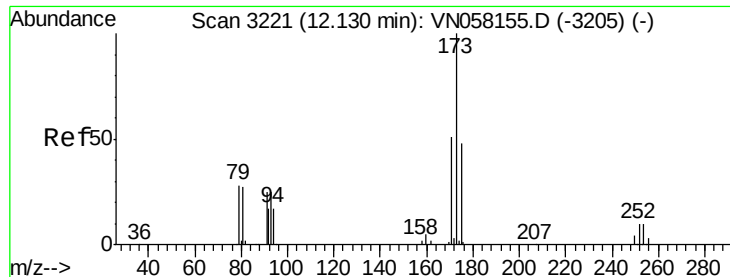
Tgt Ion:117 Resp: 686346
Ion Ratio Lower Upper
117 100
82 58.2 46.9 70.3
119 31.2 25.3 37.9



#64
Tetrachloroethene
Concen: 7.134 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058270.D
Acq: 20 Sep 2019 22:36

Tgt Ion:164 Resp: 23869
Ion Ratio Lower Upper
164 100
166 137.2 102.2 153.4
129 98.6 79.6 119.4
131 97.6 76.0 114.0





#71

Bromoform

Concen: 4.037 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

RE120D2-20190917

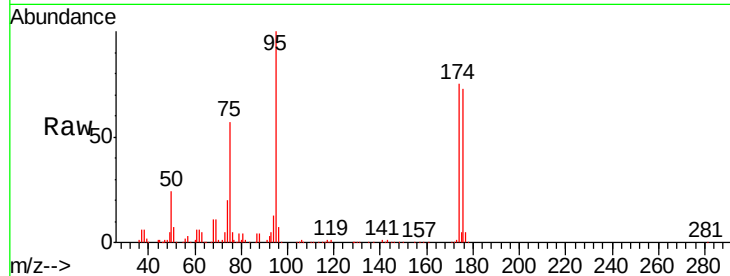
Tgt Ion:173 Resp: 1546

Ion Ratio Lower Upper

173 100

175 932.9 24.2 72.6#

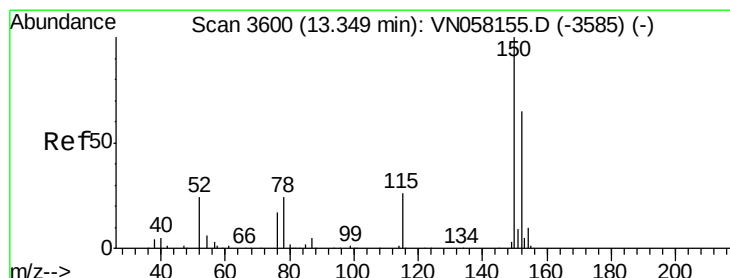
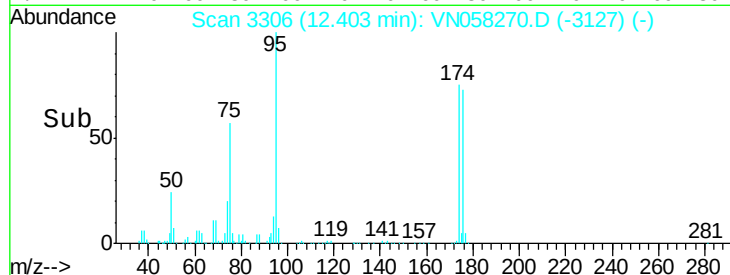
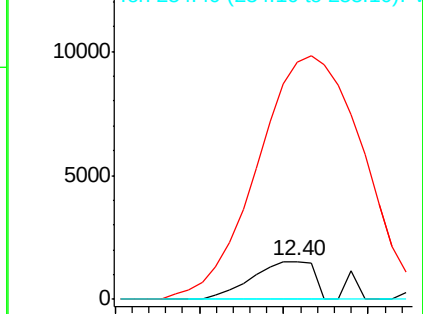
254 0.0 0.1 0.1#



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# 3601

Delta R.T. 0.00 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

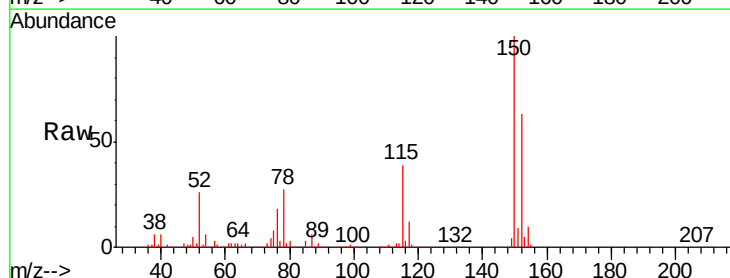
Tgt Ion:152 Resp: 279331

Ion Ratio Lower Upper

152 100

115 60.5 30.1 90.3

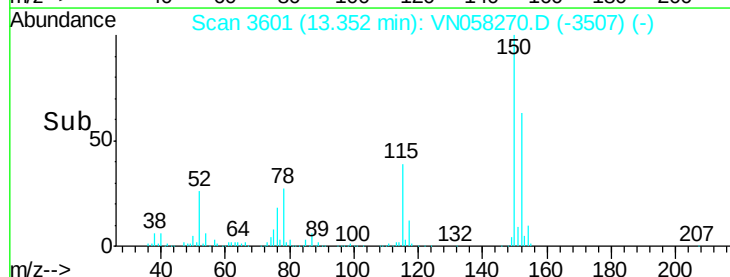
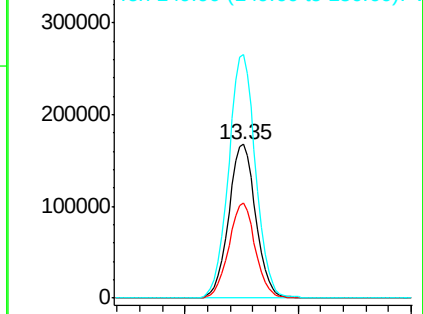
150 158.3 0.0 346.4

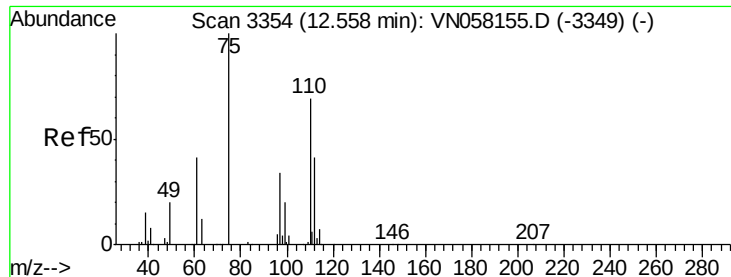


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 36.519 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

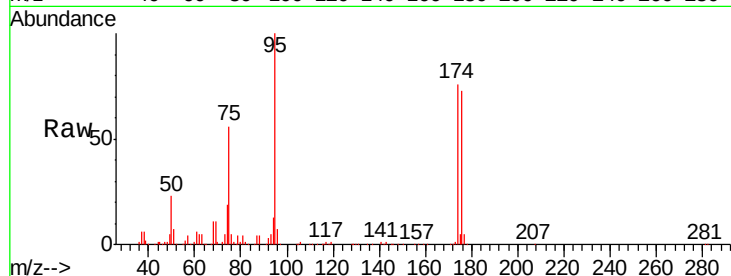
RE120D2-20190917

Tgt Ion: 75 Resp: 182566

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

12.41

120000

100000

80000

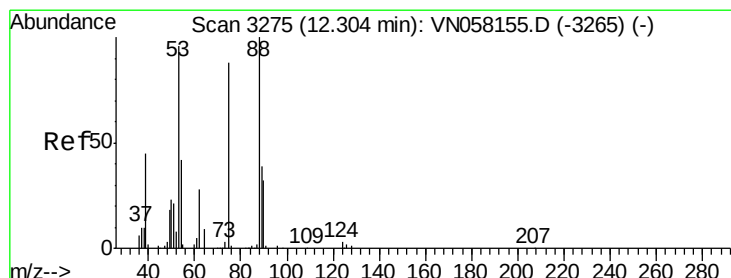
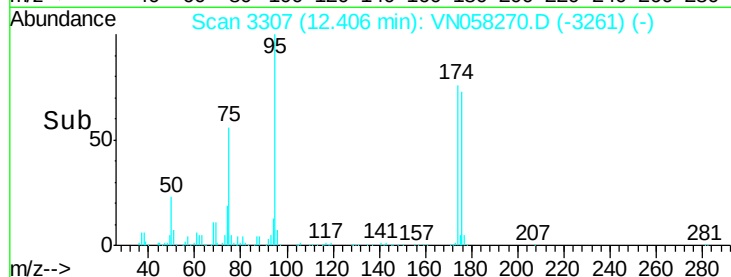
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 101.907 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058270.D

Acq: 20 Sep 2019 22:36

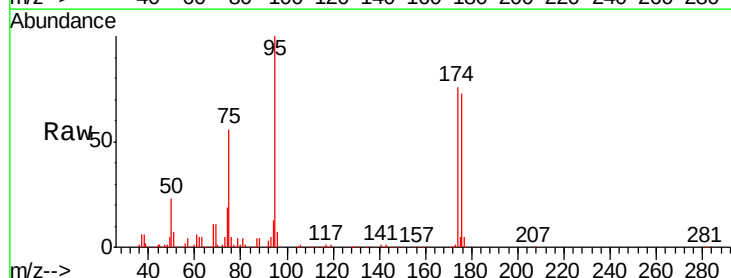
Tgt Ion: 75 Resp: 182566

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

150000

100000

50000

0

Time--> 12.30 12.40 12.50

