

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058264.D
 Acq On : 20 Sep 2019 20:23
 Operator : JC/SP
 Sample : K4975-10 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20190918

Quant Time: Sep 20 23:54:05 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	486886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	797693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	692528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	286110	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	355761	52.46	ug/l	0.00
Spiked Amount						
			Recovery	=	104.92%	
35) Dibromofluoromethane	7.58	113	247905	51.12	ug/l	0.00
Spiked Amount						
			Recovery	=	102.24%	
50) Toluene-d8	10.08	98	1012520	53.59	ug/l	0.00
Spiked Amount						
			Recovery	=	107.18%	
62) 4-Bromofluorobenzene	12.41	95	326946	46.58	ug/l	0.00
Spiked Amount						
			Recovery	=	93.16%	

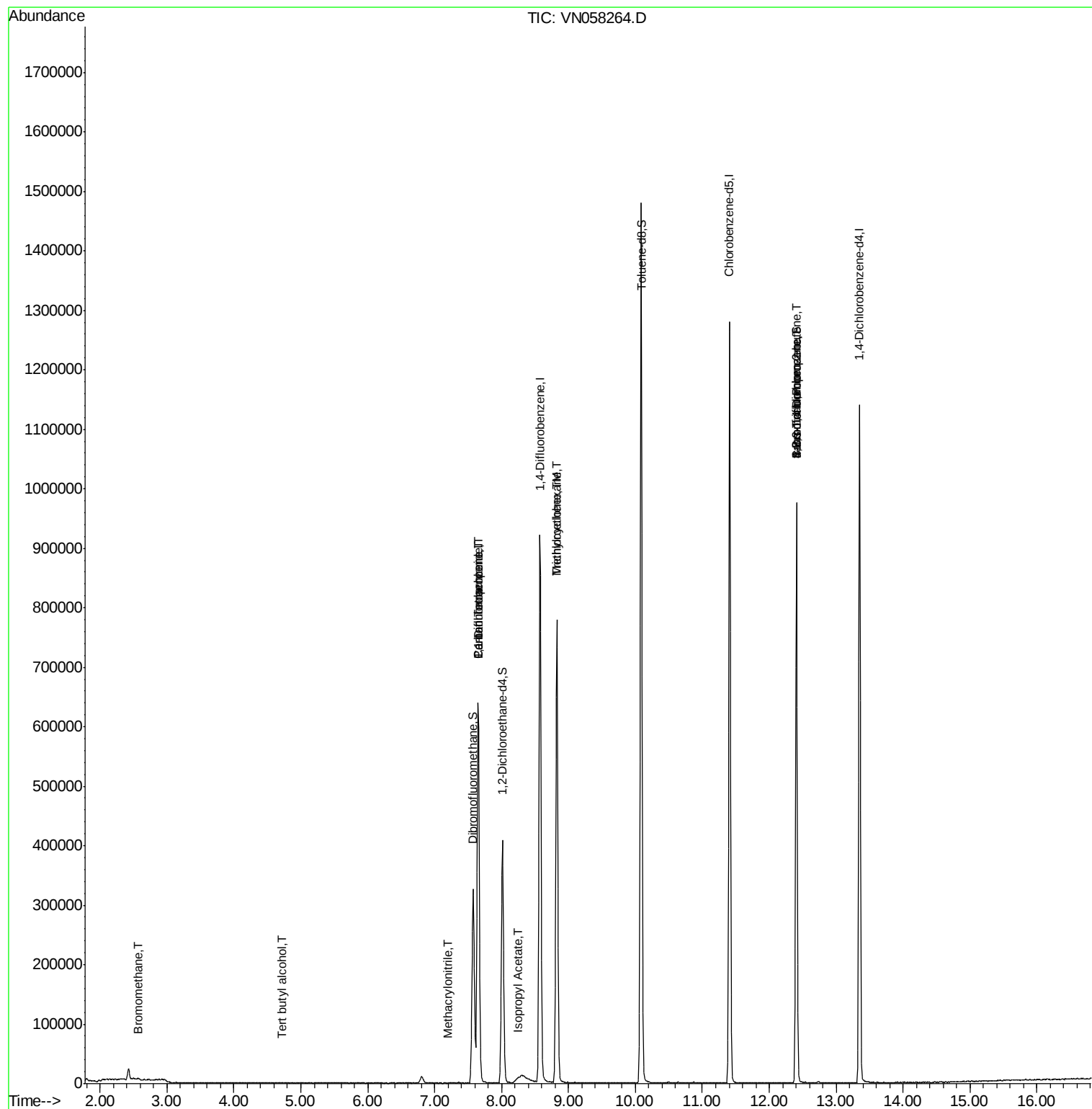
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	379	Below Cal	#	42
5) Bromomethane	2.55	94	221	0.845	ug/l #	75
6) Chloroethane	2.68	64	67	Below Cal	#	44
11) Tert butyl alcohol	4.71	59	211	0.262	ug/l #	71
12) 1,1-Dichloroethene	3.72	96	335	Below Cal	#	17
20) Methylene Chloride	4.52	84	238	Below Cal	#	79
31) Cyclohexane	7.65	56	12717	Below Cal	#	26
36) 1,1-Dichloropropene	7.65	75	41917	7.287	ug/l #	50
38) Carbon Tetrachloride	7.65	117	50132	8.669	ug/l #	15
39) Methylcyclohexane	8.83	83	3726	0.740	ug/l #	1
41) Methacrylonitrile	7.19	41	29	0.920	ug/l #	100
43) Isopropyl Acetate	8.24	43	7589	0.681	ug/l #	57
44) Trichloroethene	8.83	130	267094	62.120	ug/l	100
71) Bromoform	12.40	173	1580	4.043	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	180018	35.157	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	180018	98.319	ug/l #	5

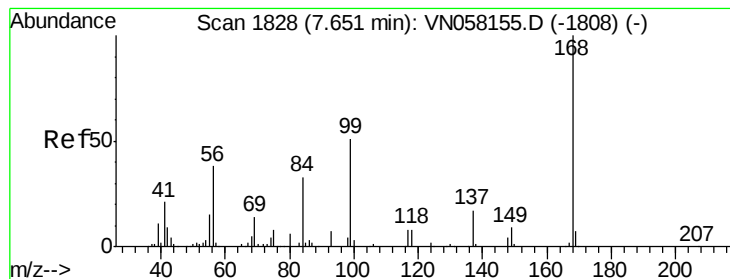
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058264.D

Acq: 20 Sep 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

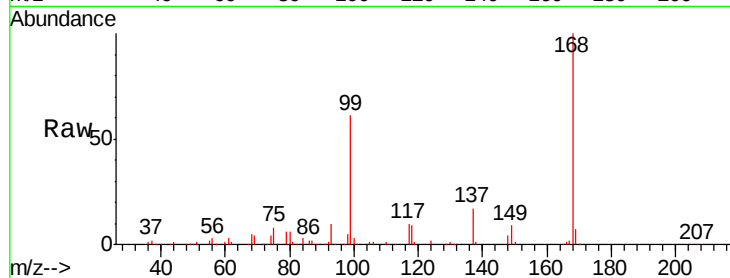
RE108D2-20190918

Tgt Ion: 168 Resp: 486886

Ion Ratio Lower Upper

168 100

99 61.3 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

200000

150000

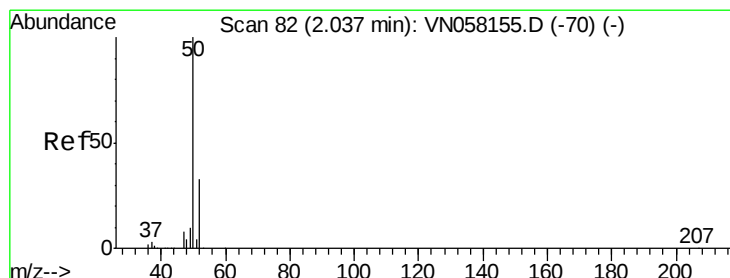
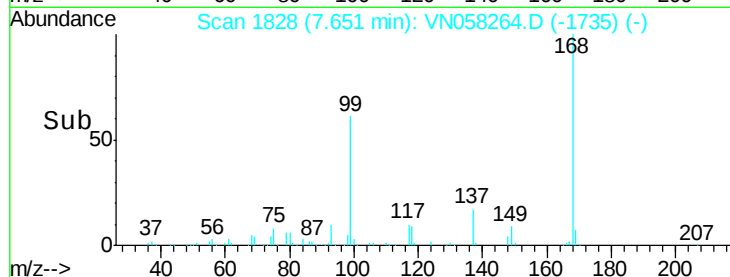
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN058264.D

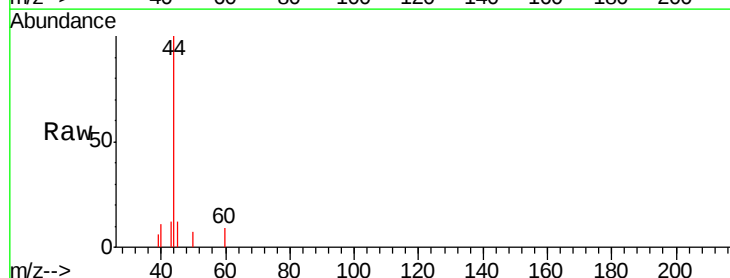
Acq: 20 Sep 2019 20:23

Tgt Ion: 50 Resp: 379

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

300

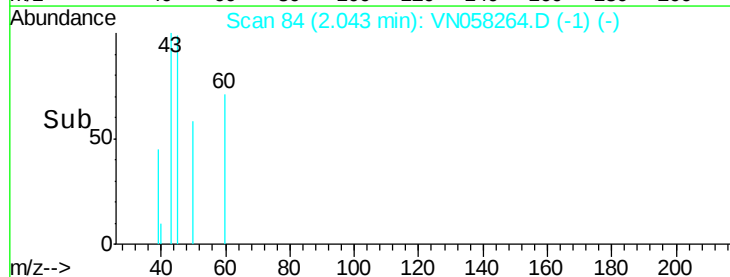
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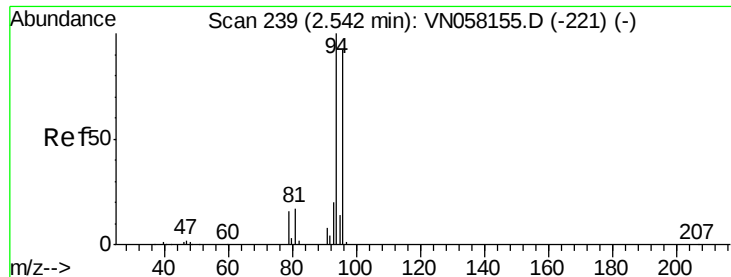
100

0

2.00 2.02 2.04 2.06

Time-->





#5

Bromomethane

Concen: 0.845 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN058264.D

Acq: 20 Sep 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

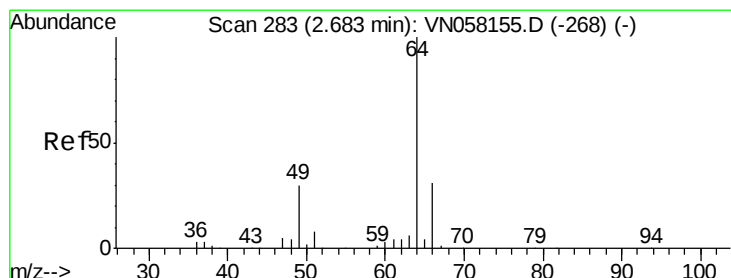
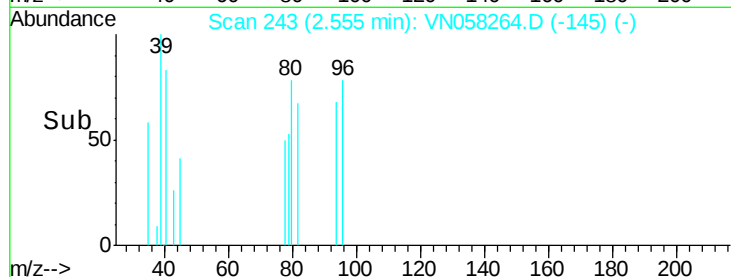
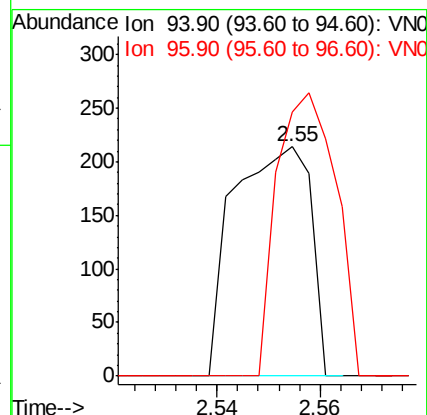
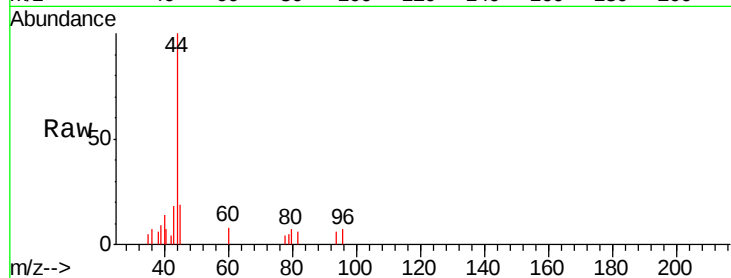
RE108D2-20190918

Tgt Ion: 94 Resp: 221

Ion Ratio Lower Upper

94 100

96 115.0 73.3 109.9#



#6

Chloroethane

Concen: Below Cal

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058264.D

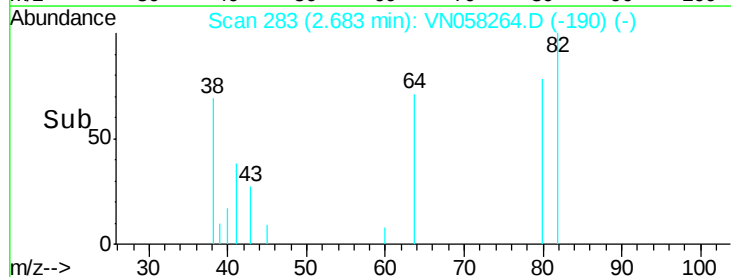
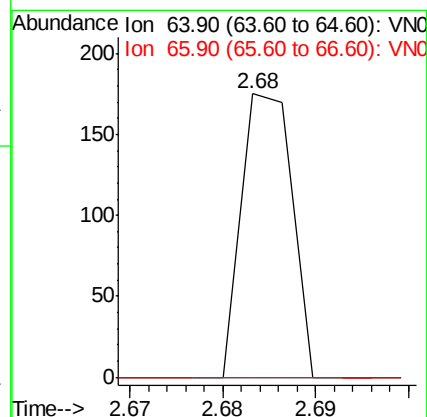
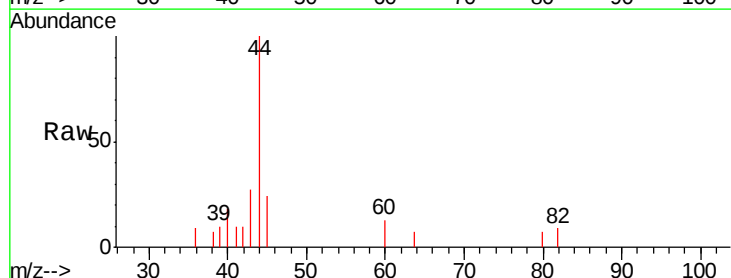
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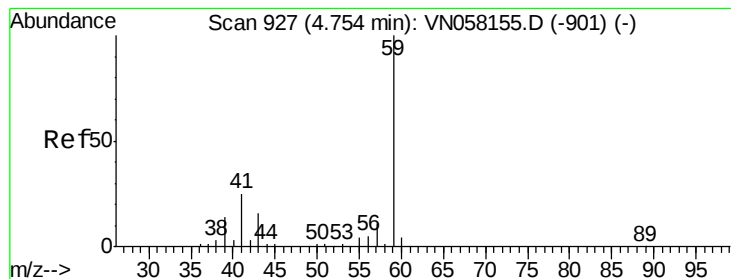
Tgt Ion: 64 Resp: 67

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



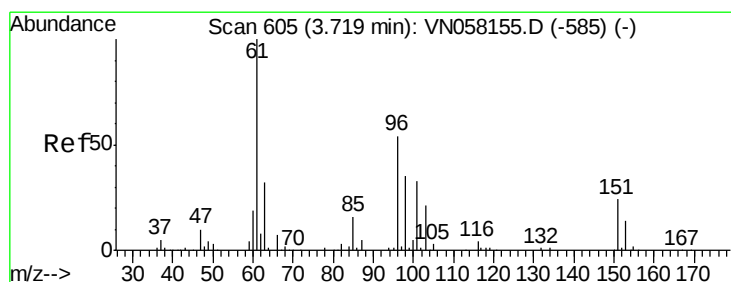
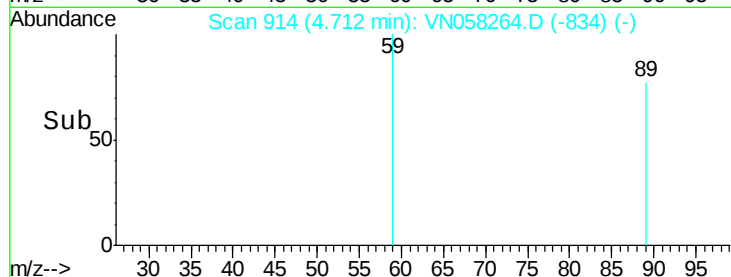
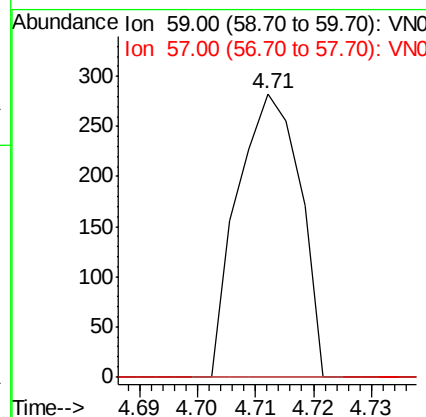
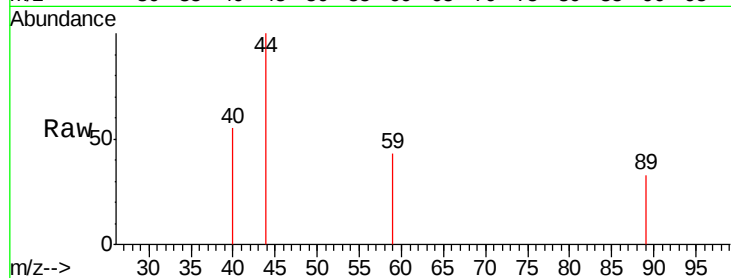


#11

Tert butyl alcohol
 Concen: 0.262 ug/l
 RT: 4.71 min Scan# 914
 Delta R.T. -0.04 min
 Lab File: VN058264.D
 Acq: 20 Sep 2019 20:23

Instrument :
 MSVOA_N
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 RE108D2-20190918

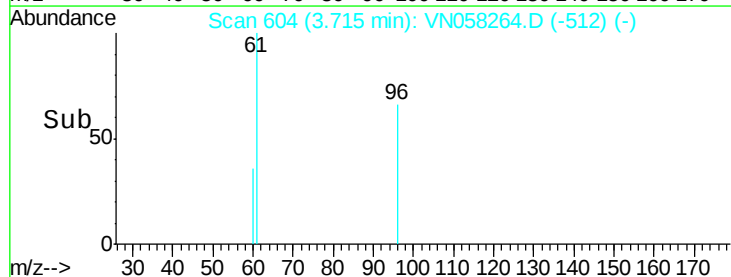
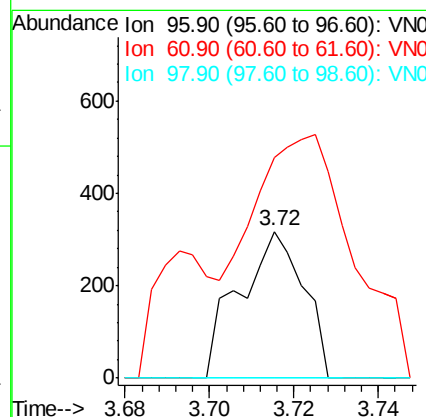
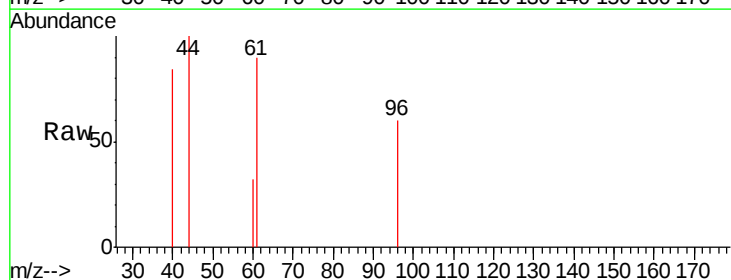
Tgt Ion: 59 Resp: 211
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#

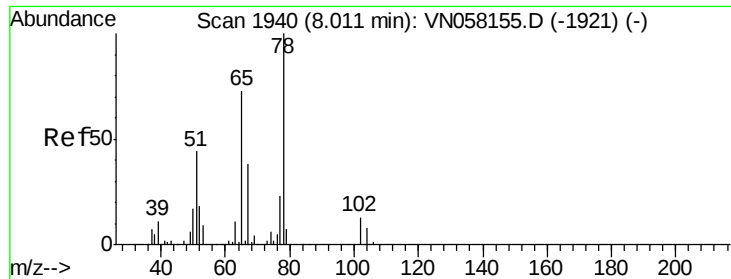


#12

1,1-Dichloroethene
 Concen: Below Cal
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058264.D
 Acq: 20 Sep 2019 20:23

Tgt Ion: 96 Resp: 335
 Ion Ratio Lower Upper
 96 100
 61 66.9 149.5 224.3#
 98 0.0 52.4 78.6#

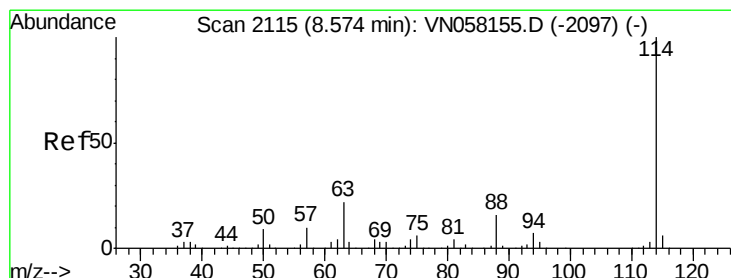
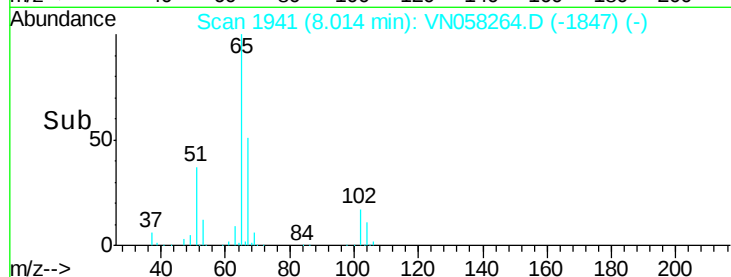
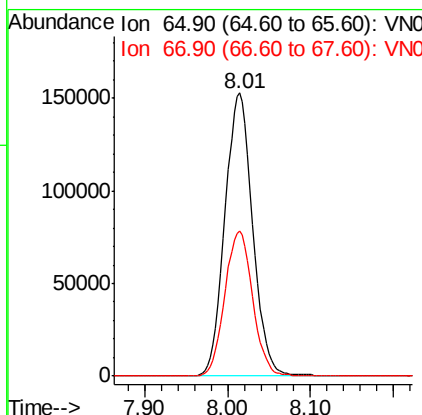
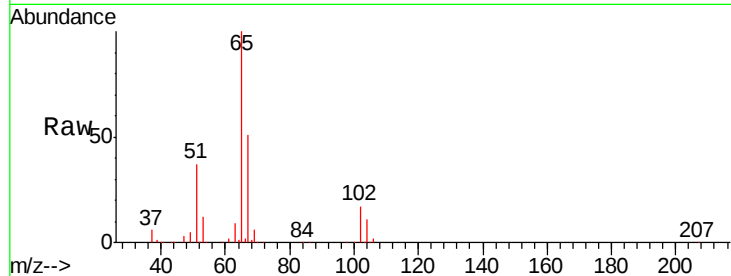




#33
 1,2-Dichloroethane-d4
 Concen: 52.462 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058264.D
 Acq: 20 Sep 2019 20:23

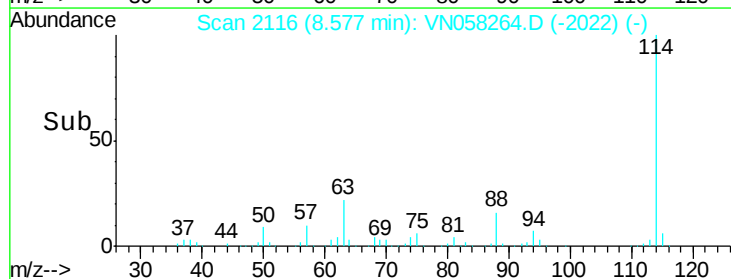
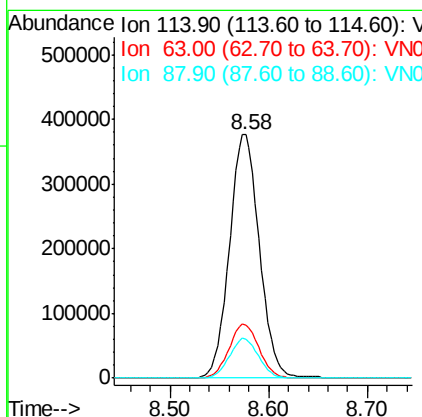
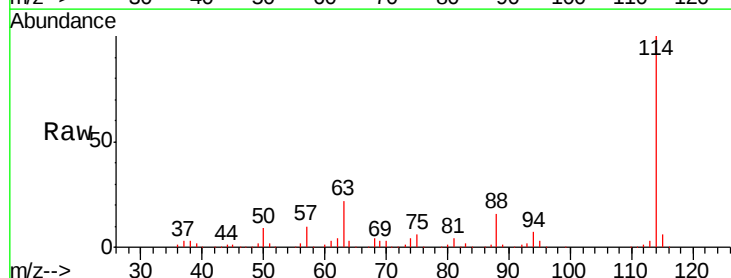
Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20190918

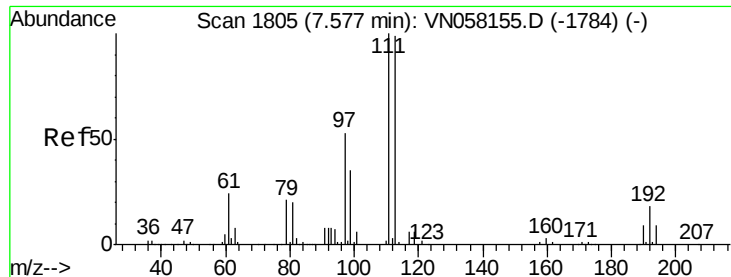
Tgt Ion: 65 Resp: 355761
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058264.D
 Acq: 20 Sep 2019 20:23

Tgt Ion: 114 Resp: 797693
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 44.2
 88 16.2 0.0 31.6

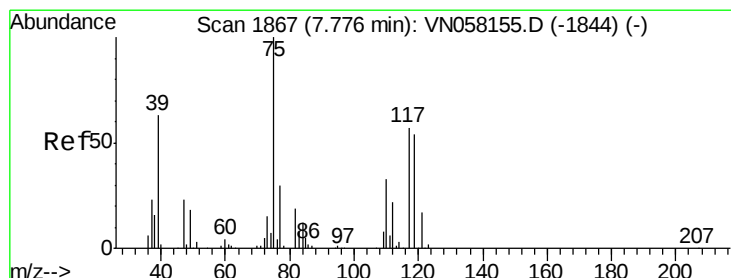
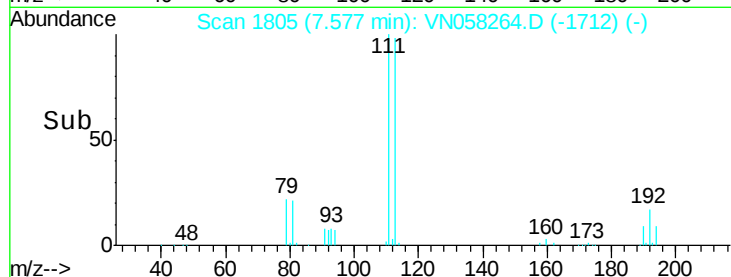
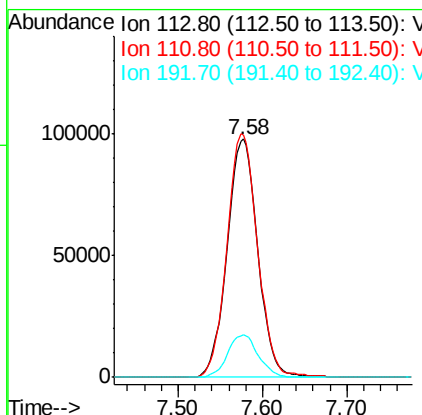
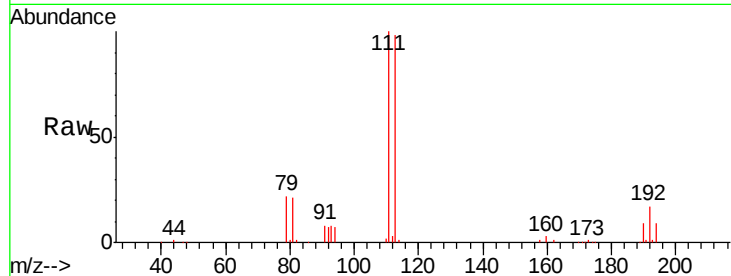




#35
 Dibromofluoromethane
 Concen: 51.122 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058264.D
 Acq: 20 Sep 2019 20:23

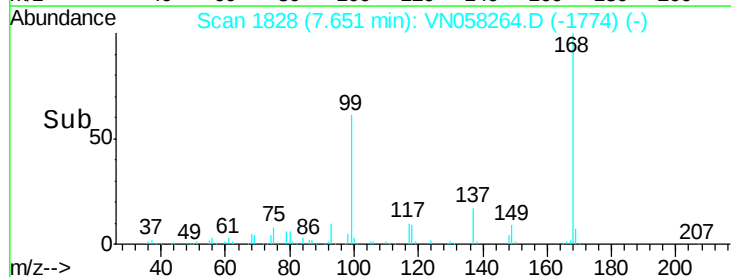
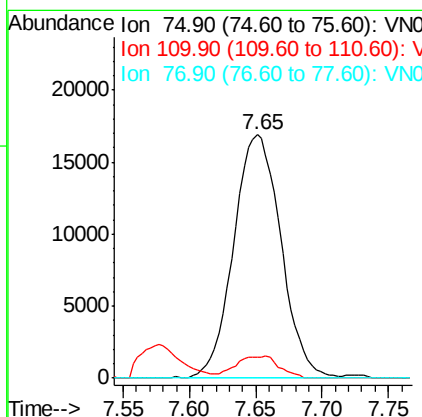
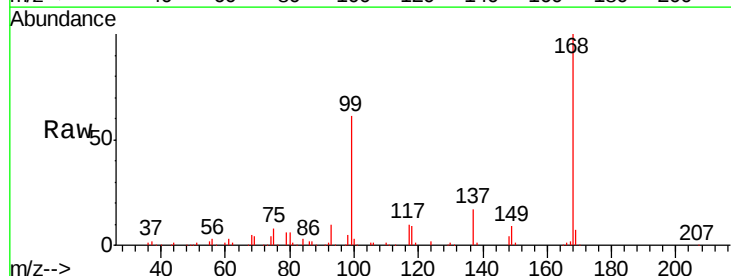
Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20190918

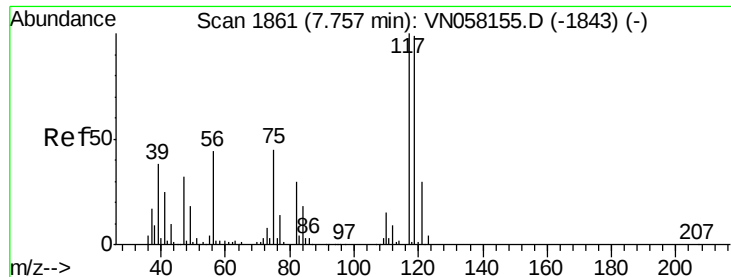
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.6
192	17.9	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 7.287 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058264.D
 Acq: 20 Sep 2019 20:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.6	49.7#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 8.669 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058264.D

Acq: 20 Sep 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

RE108D2-20190918

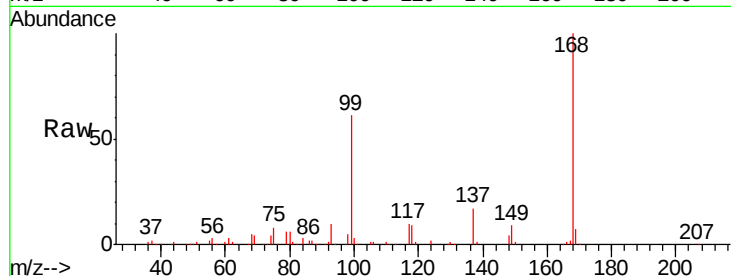
Tgt Ion:117 Resp: 50132

Ion Ratio Lower Upper

117 100

119 5.3 78.6 117.8#

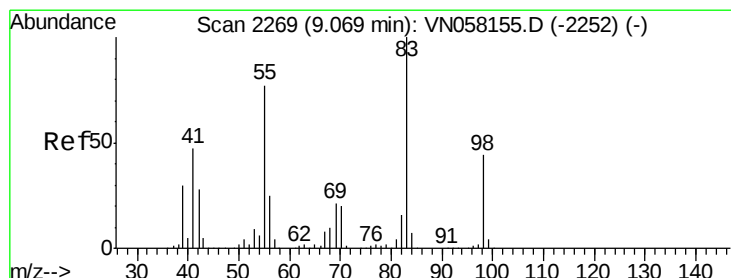
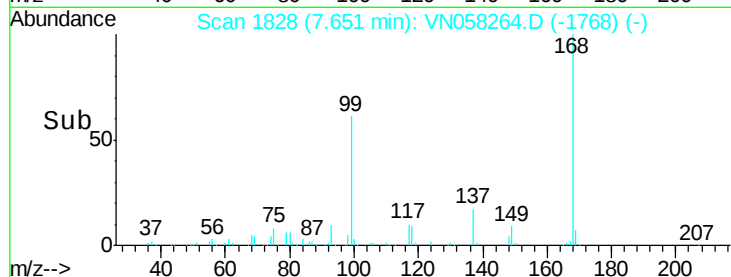
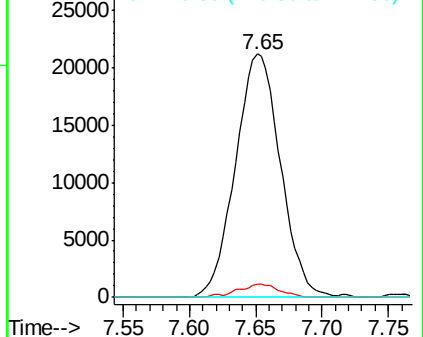
121 0.0 24.1 36.1#



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: 0.740 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.24 min

Lab File: VN058264.D

Acq: 20 Sep 2019 20:23

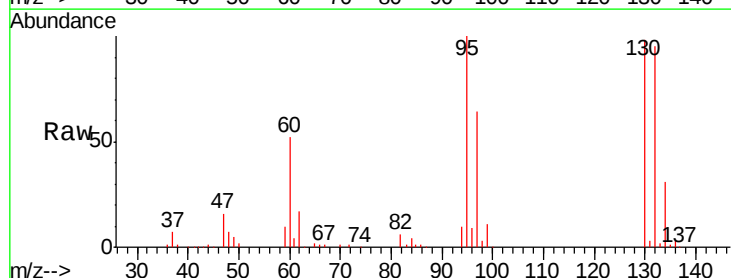
Tgt Ion: 83 Resp: 3726

Ion Ratio Lower Upper

83 100

55 0.0 61.9 92.9#

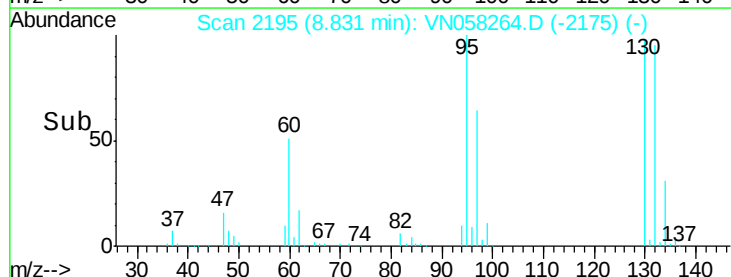
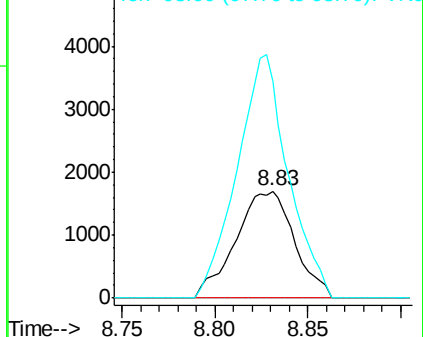
98 202.3 35.4 53.2#

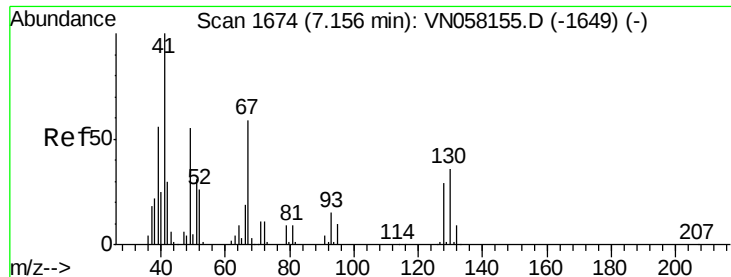


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

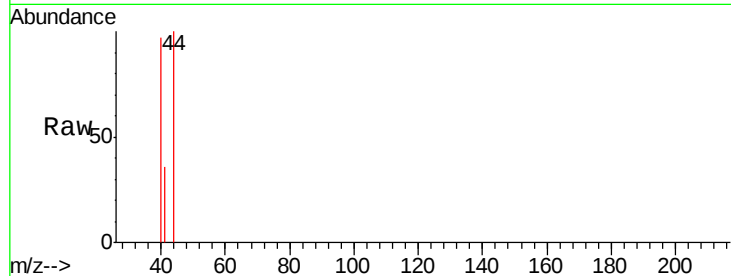




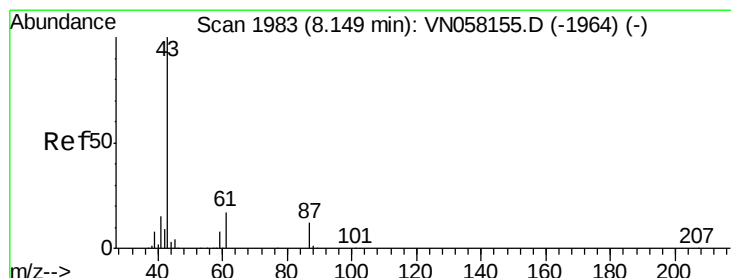
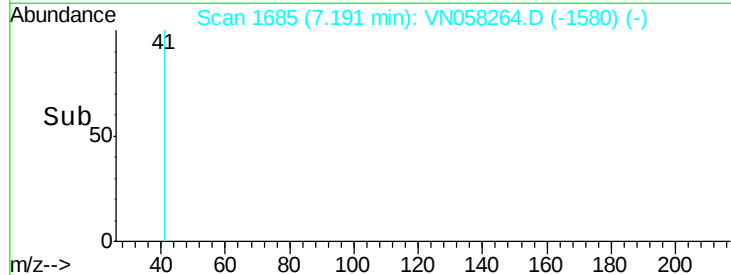
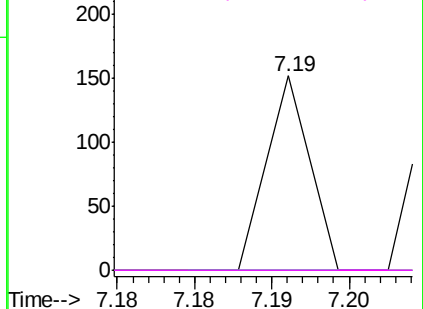
#41
Methacrylonitrile
Concen: 0.920 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.04 min
Lab File: VN058264.D
Acq: 20 Sep 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20190918

Tgt Ion:	41	Resp:	29
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

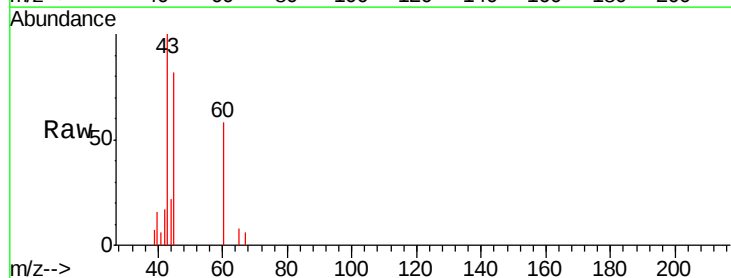


Abundance Ion 41.00 (40.70 to 41.70): VN058155.D (-1649) (-)

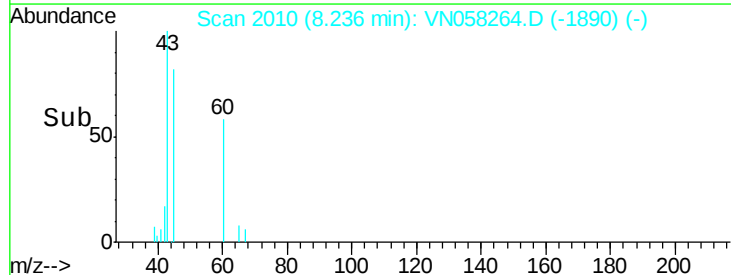
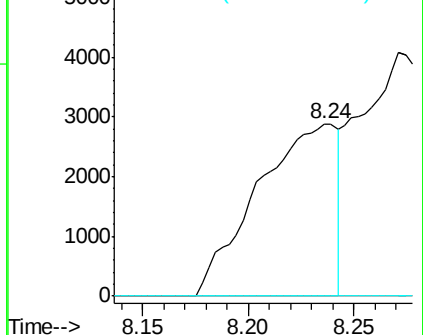


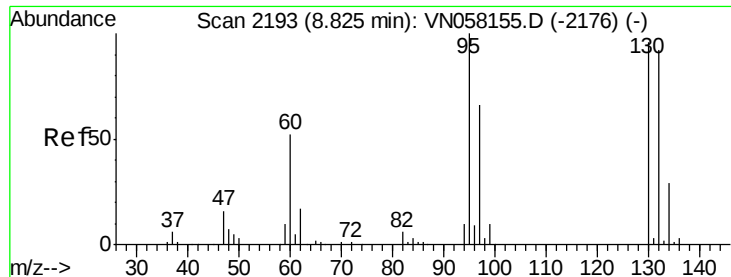
#43
Isopropyl Acetate
Concen: 0.681 ug/l
RT: 8.24 min Scan# 2010
Delta R.T. 0.09 min
Lab File: VN058264.D
Acq: 20 Sep 2019 20:23

Tgt Ion:	43	Resp:	7589
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): VN058155.D (-1964) (-)





#44

Trichloroethene

Concen: 62.120 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058264.D

Acq: 20 Sep 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

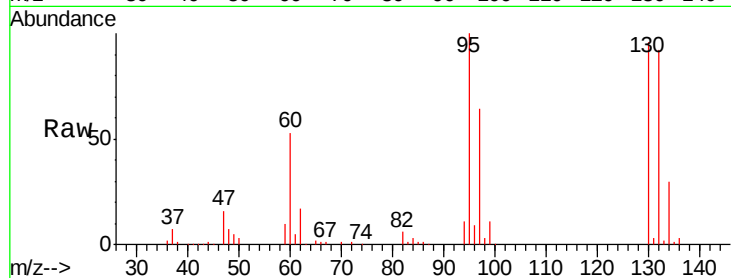
RE108D2-20190918

Tgt Ion:130 Resp: 267094

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): VN

8.83

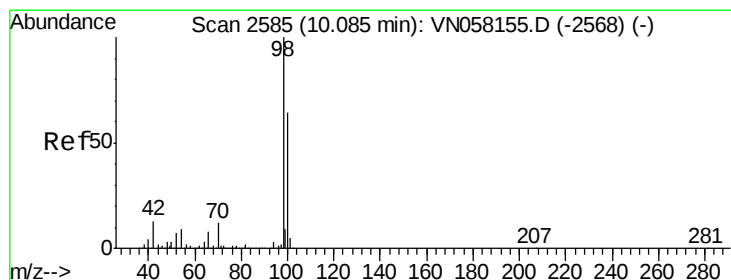
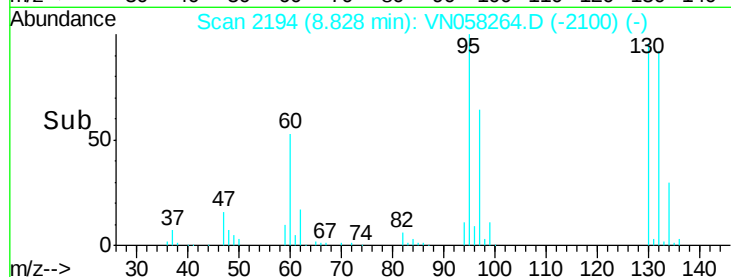
150000

100000

50000

0

Time--> 8.70 8.80 8.90



#50

Toluene-d8

Concen: 53.590 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058264.D

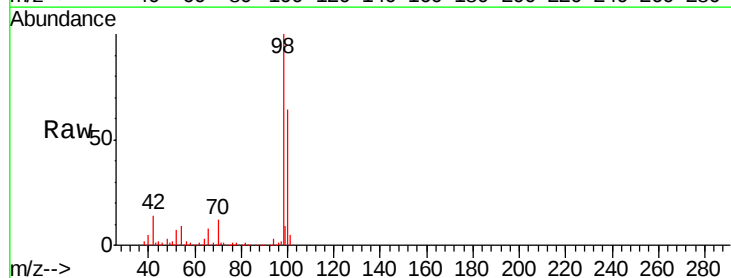
Acq: 20 Sep 2019 20:23

Tgt Ion: 98 Resp: 1012520

Ion Ratio Lower Upper

98 100

100 63.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.08

600000

500000

400000

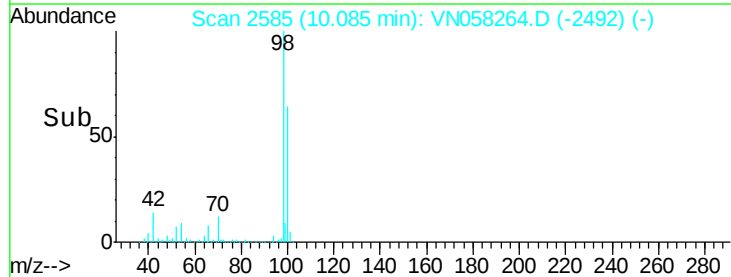
300000

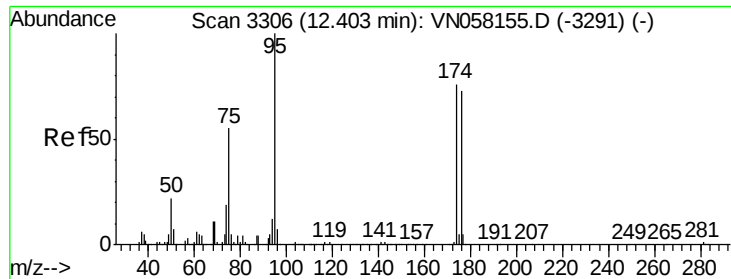
200000

100000

0

Time--> 10.00 10.10 10.20

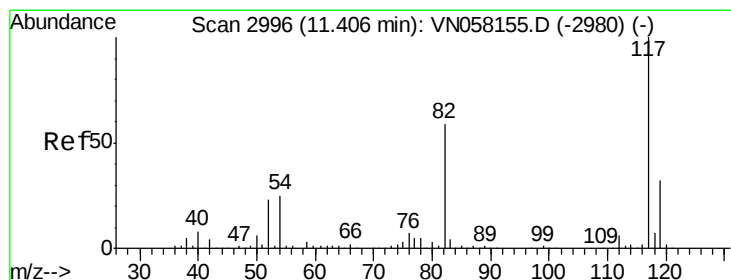
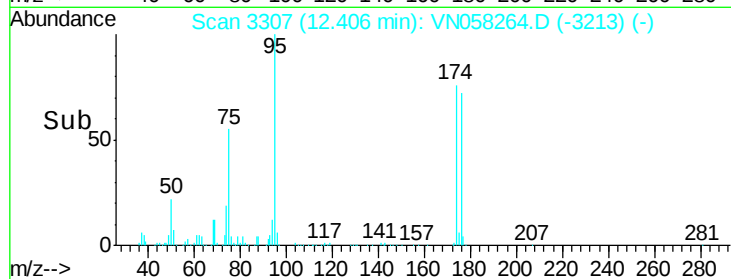
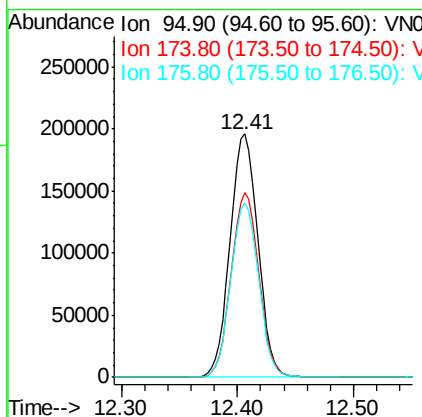
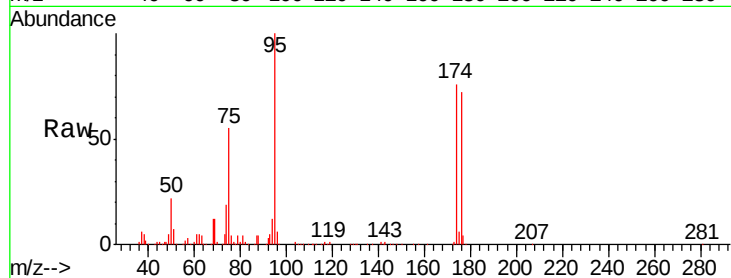




#62
4-Bromofluorobenzene
Concen: 46.584 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058264.D
Acq: 20 Sep 2019 20:23

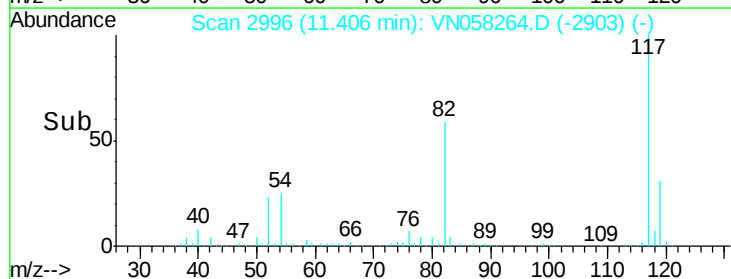
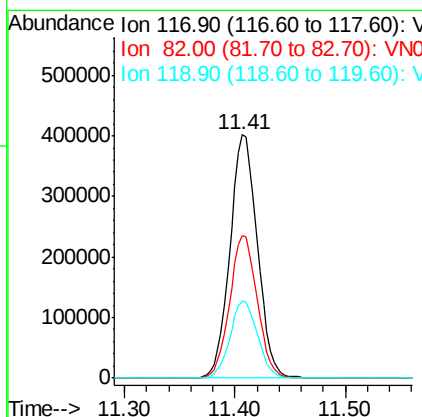
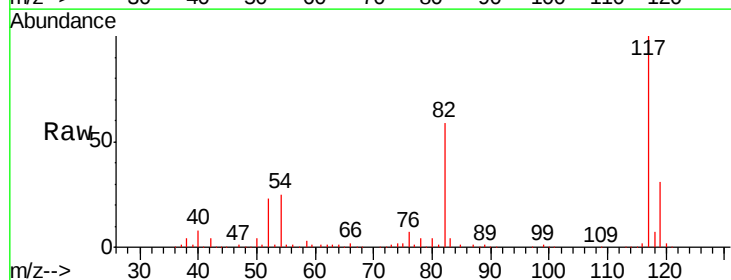
Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20190918

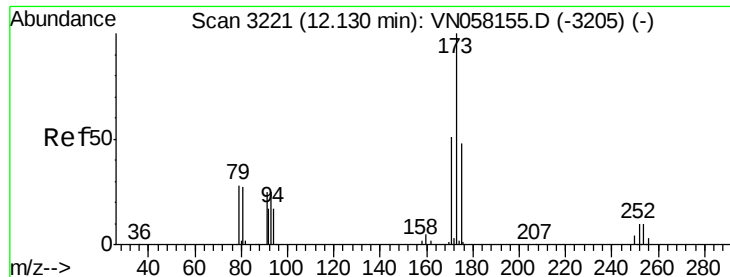
Tgt Ion: 95 Resp: 326946
Ion Ratio Lower Upper
95 100
174 75.5 0.0 152.2
176 71.7 0.0 148.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058264.D
Acq: 20 Sep 2019 20:23

Tgt Ion: 117 Resp: 692528
Ion Ratio Lower Upper
117 100
82 58.7 46.9 70.3
119 31.5 25.3 37.9





#71

Bromoform

Concen: 4.043 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058264.D

Acq: 20 Sep 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

RE108D2-20190918

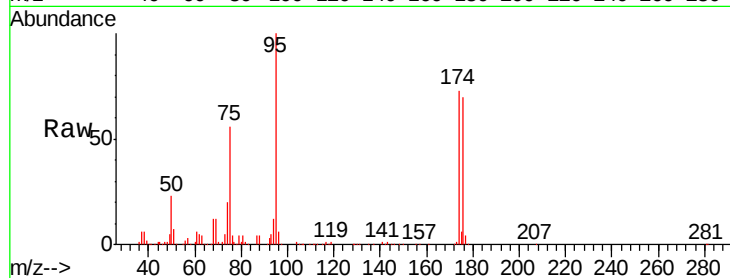
Tgt Ion:173 Resp: 1580

Ion Ratio Lower Upper

173 100

175 1005.3 24.2 72.6#

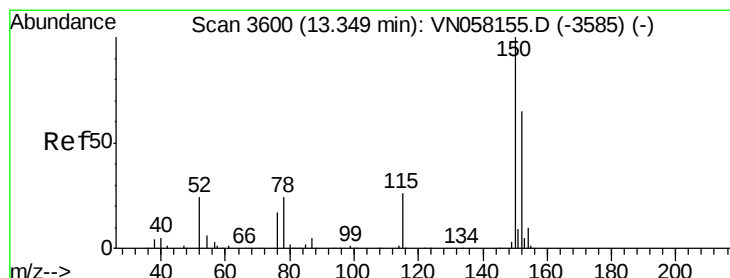
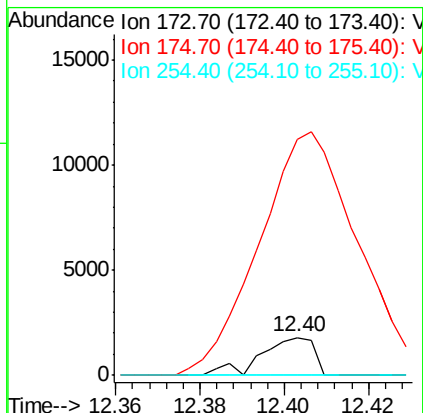
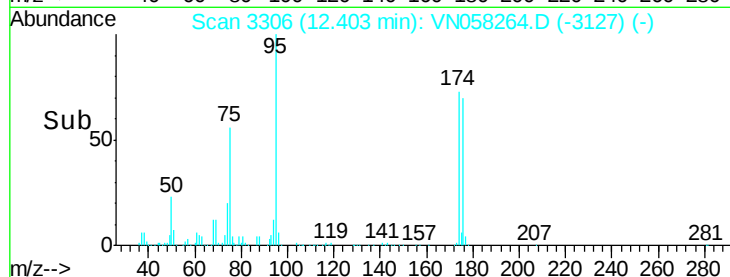
254 0.0 0.1 0.1#



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: VN058264.D

Acq: 20 Sep 2019 20:23

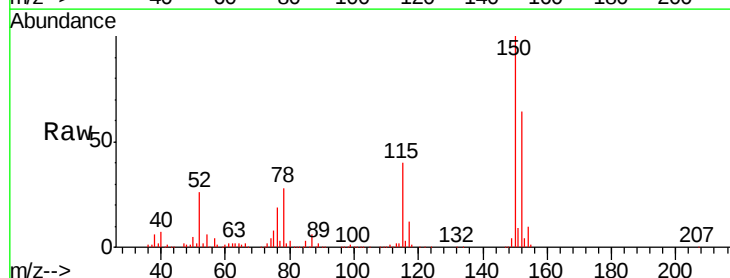
Tgt Ion:152 Resp: 286110

Ion Ratio Lower Upper

152 100

115 61.5 30.1 90.3

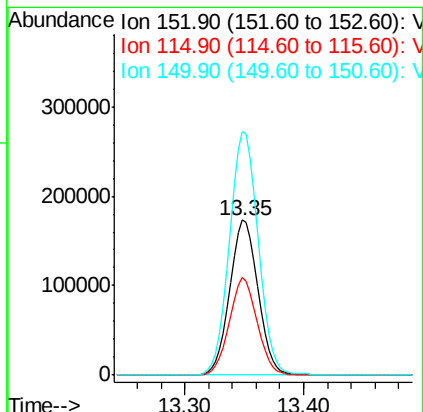
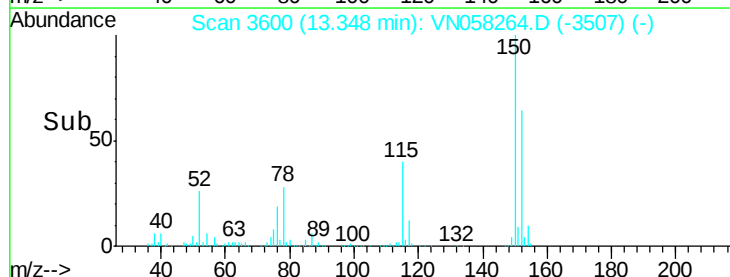
150 159.8 0.0 346.4

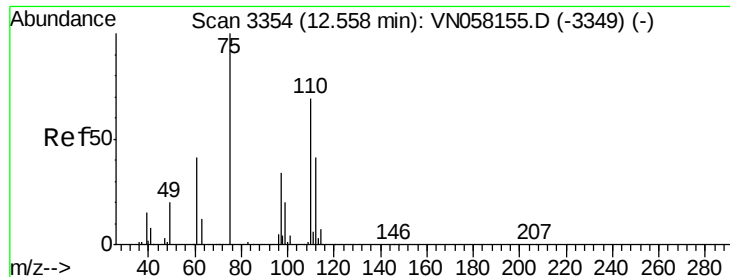


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.157 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058264.D

Acq: 20 Sep 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

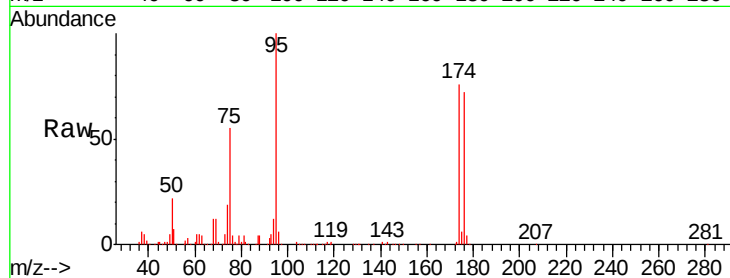
RE108D2-20190918

Tgt Ion: 75 Resp: 180018

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.41

100000

80000

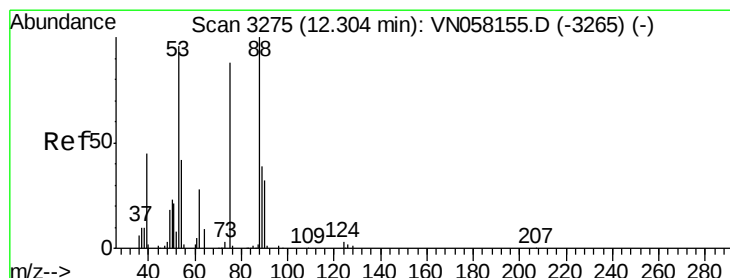
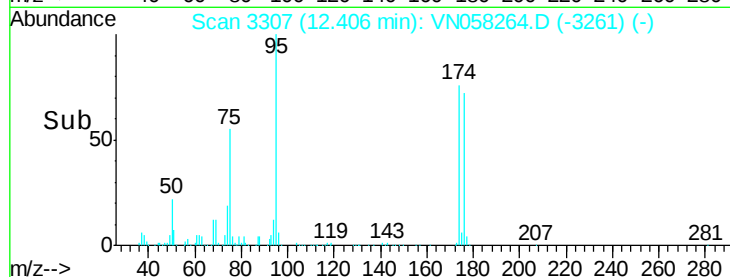
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 98.319 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058264.D

Acq: 20 Sep 2019 20:23

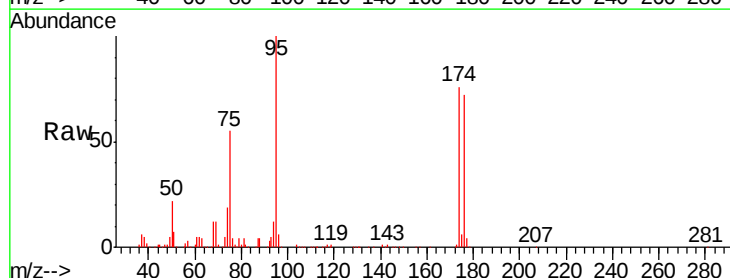
Tgt Ion: 75 Resp: 180018

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.41

150000

100000

50000

0

Time--> 12.30 12.40 12.50

