

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058272.D
 Acq On : 20 Sep 2019 23:20
 Operator : JC/SP
 Sample : K4975-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20190917

Quant Time: Oct 01 08:07:10 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	475498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	782617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	665944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	263656	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	355736	53.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.42%	
35) Dibromofluoromethane	7.58	113	244286	51.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.70%	
50) Toluene-d8	10.08	98	993922	53.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.24%	
62) 4-Bromofluorobenzene	12.41	95	313498	45.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.06%	

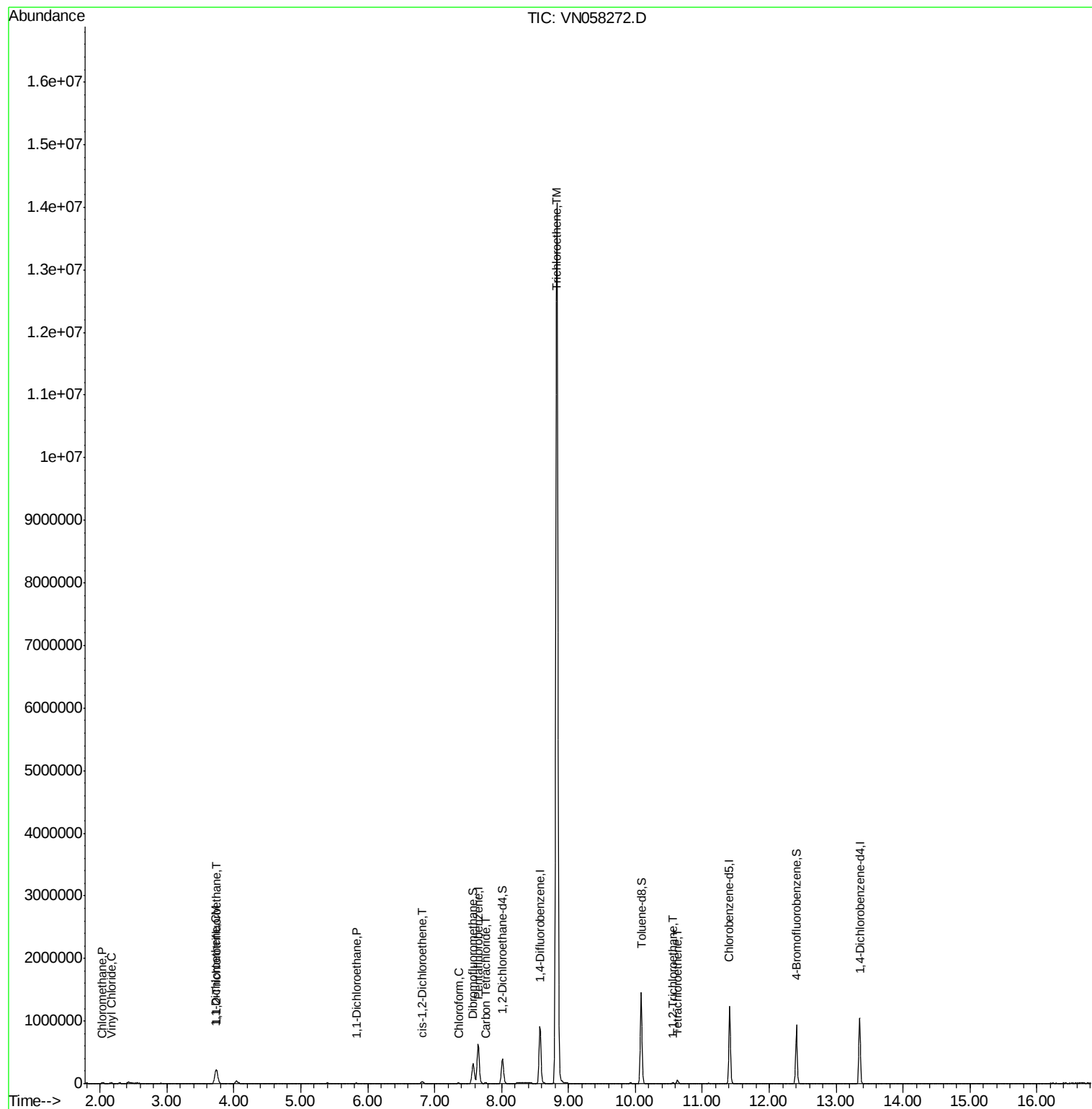
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	6141	1.027	ug/l	95
4) Vinyl Chloride	2.17	62	4365	0.427	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	122720	31.925	ug/l	97
12) 1,1-Dichloroethene	3.72	96	25634	8.492	ug/l	93
24) 1,1-Dichloroethane	5.83	63	11945	1.401	ug/l #	94
27) cis-1,2-Dichloroethene	6.82	96	18452	3.827	ug/l	86
30) Chloroform	7.36	83	8558	0.932	ug/l	98
38) Carbon Tetrachloride	7.76	117	8472	1.493	ug/l	95
44) Trichloroethene	8.82	130	4789868	1135.471	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	4212	0.879	ug/l	98
64) Tetrachloroethene	10.63	164	12273	3.781	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: VN058272.D

Acq: 20 Sep 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

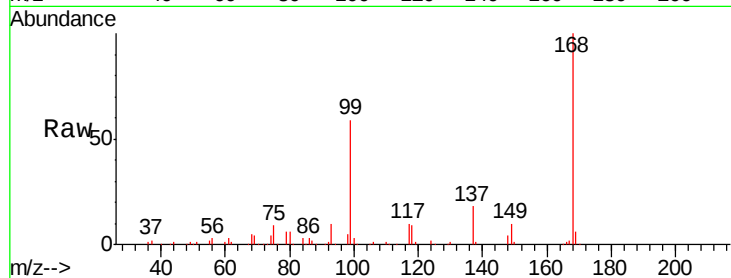
TT101D2-20190917

Tgt Ion:168 Resp: 475498

Ion Ratio Lower Upper

168 100

99 58.8 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

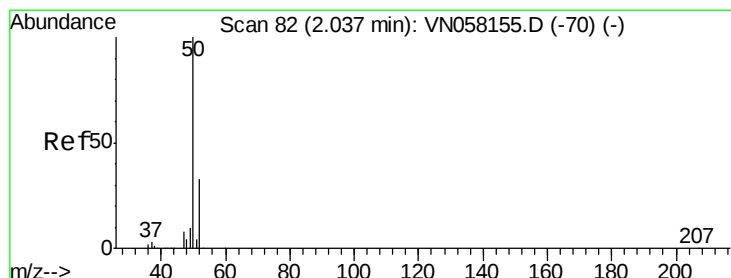
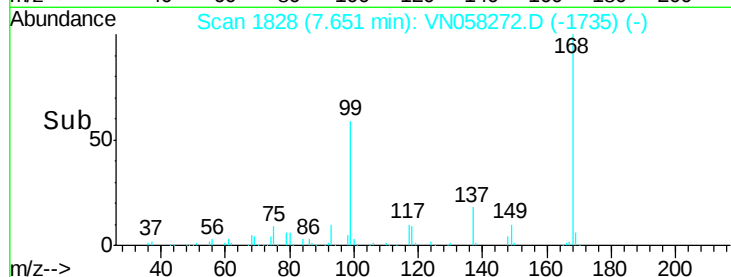
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 1.027 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058272.D

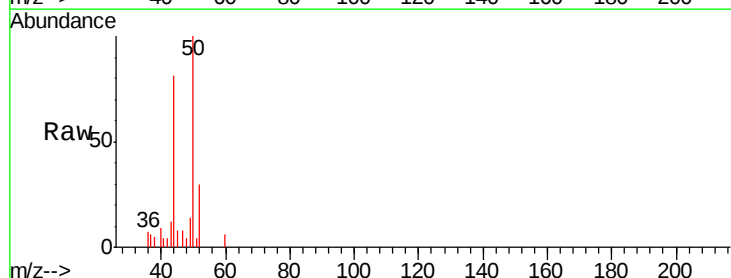
Acq: 20 Sep 2019 23:20

Tgt Ion: 50 Resp: 6141

Ion Ratio Lower Upper

50 100

52 30.3 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

5000

4000

3000

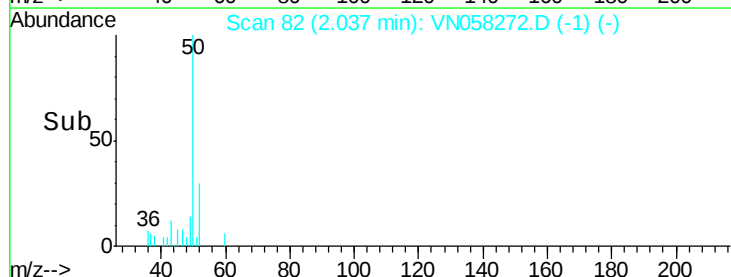
2000

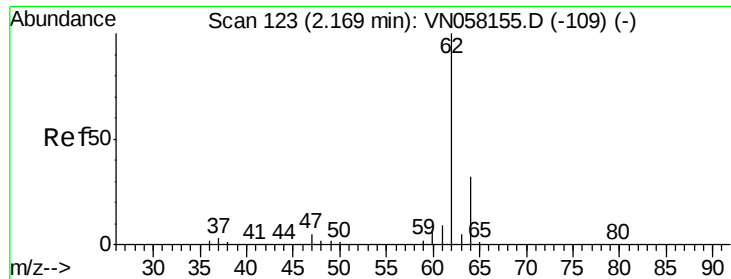
1000

0

2.00 2.05 2.10

Time-->





#4

Vinyl Chloride

Concen: 0.427 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058272.D

Acq: 20 Sep 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

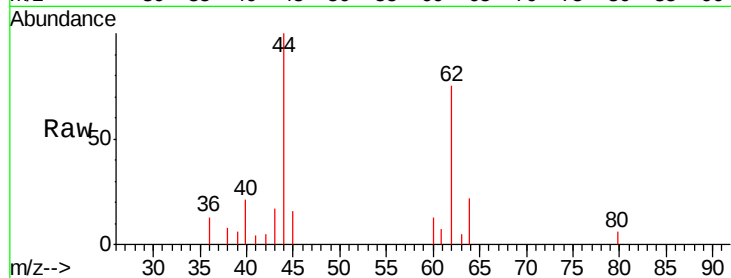
TT101D2-20190917

Tgt Ion: 62 Resp: 4365

Ion Ratio Lower Upper

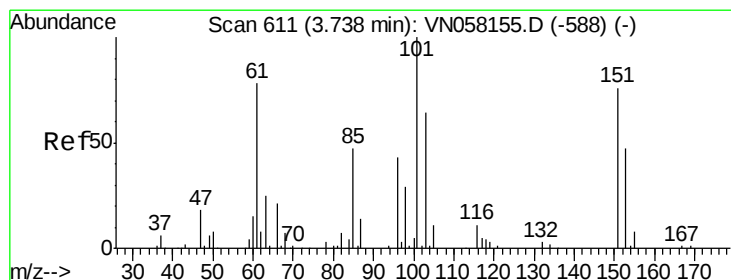
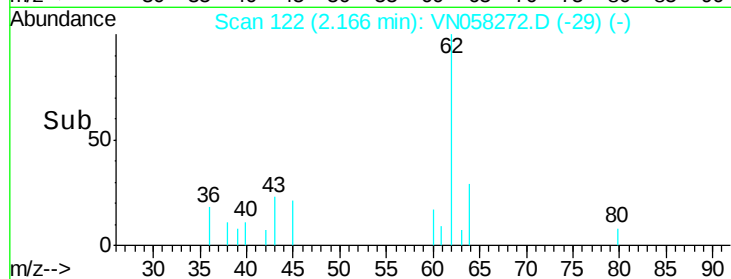
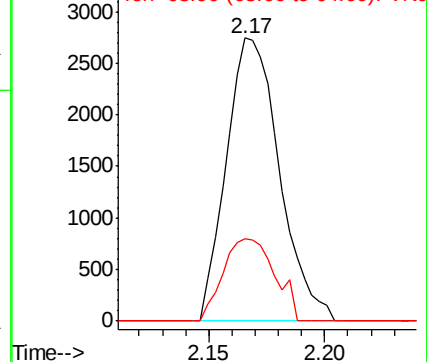
62 100

64 29.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 31.925 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058272.D

Acq: 20 Sep 2019 23:20

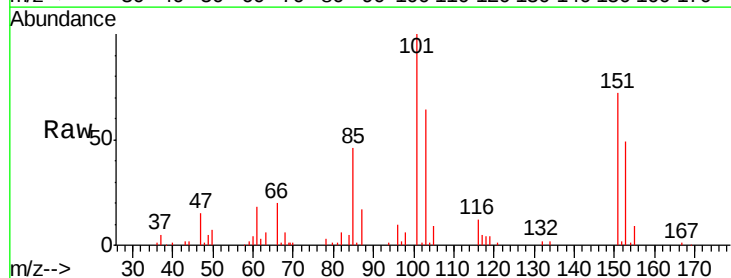
Tgt Ion: 101 Resp: 122720

Ion Ratio Lower Upper

101 100

85 46.1 37.3 55.9

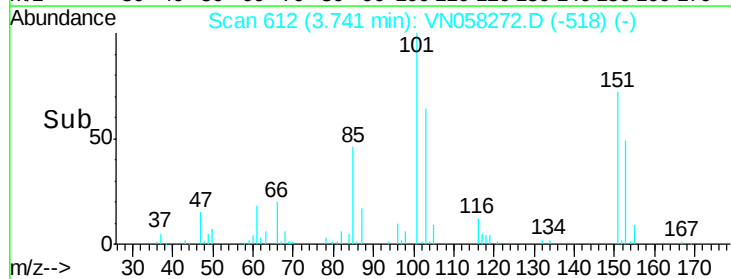
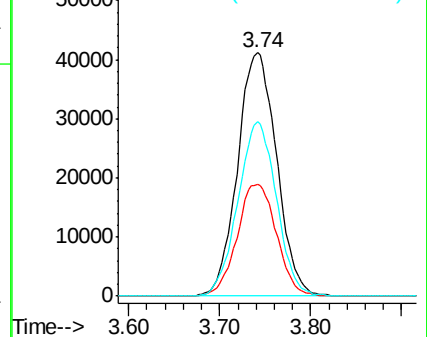
151 70.7 59.6 89.4

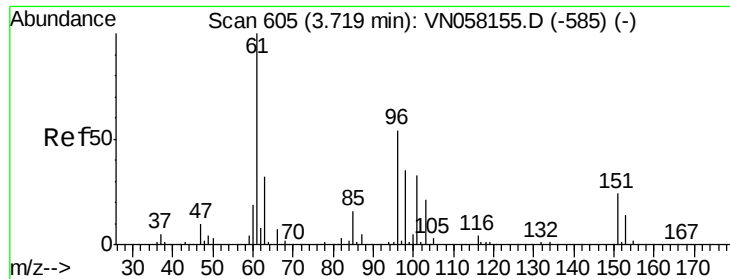


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 8.492 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN058272.D

Acq: 20 Sep 2019 23:20

Instrument :
MSVOA_N
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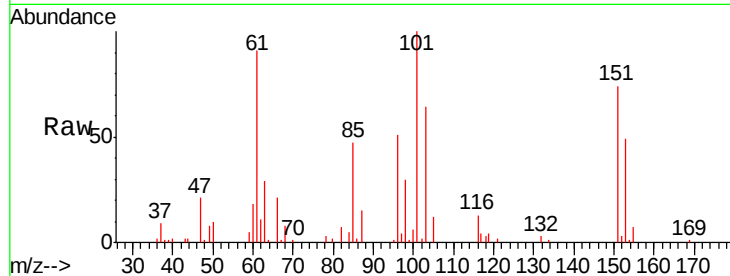
Tgt Ion: 96 Resp: 25634

Ion Ratio Lower Upper

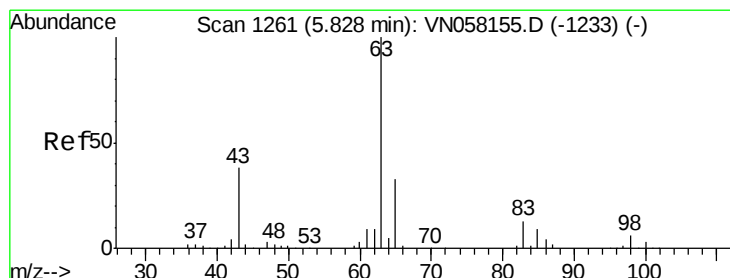
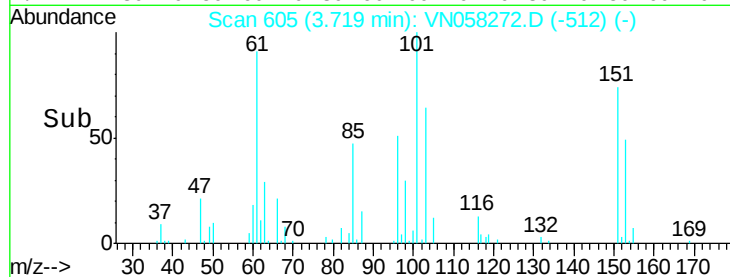
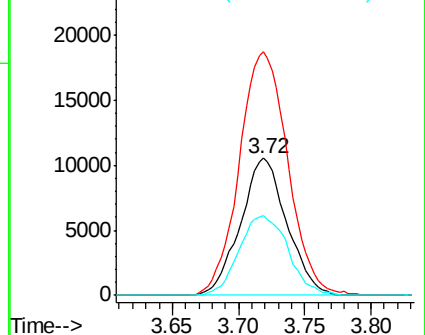
96 100

61 177.9 149.5 224.3

98 58.4 52.4 78.6



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



#24

1,1-Dichloroethane

Concen: 1.401 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN058272.D

Acq: 20 Sep 2019 23:20

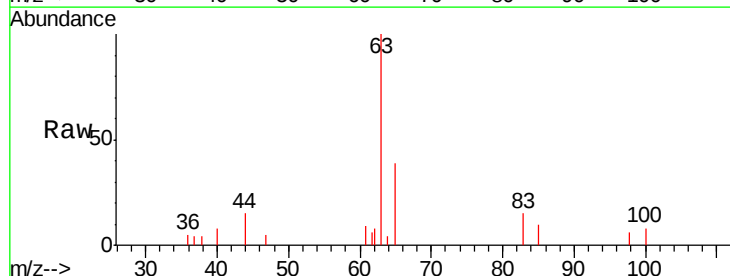
Tgt Ion: 63 Resp: 11945

Ion Ratio Lower Upper

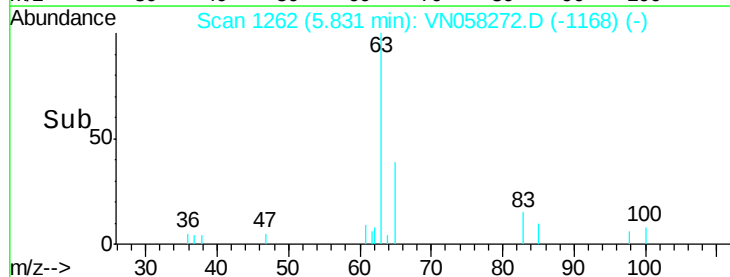
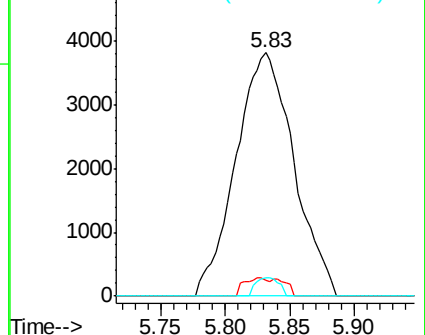
63 100

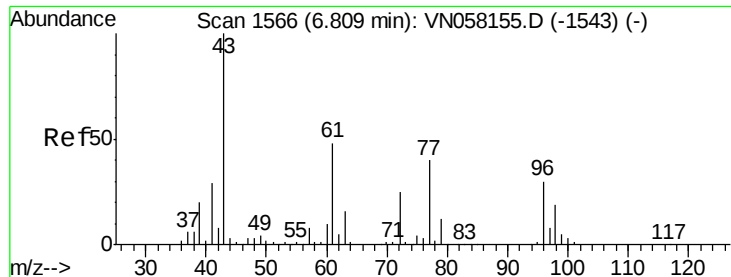
98 6.5 2.9 8.6

100 7.6 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: 3.827 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058272.D

Acq: 20 Sep 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

TT101D2-20190917

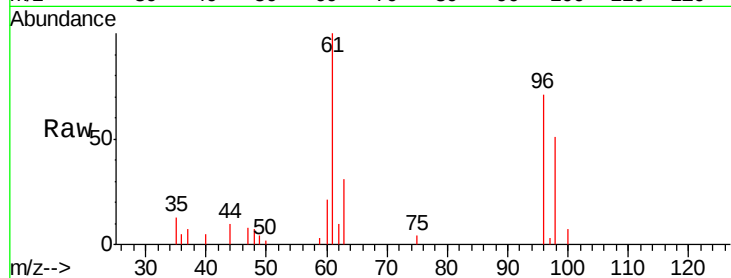
Tgt Ion: 96 Resp: 18452

Ion Ratio Lower Upper

96 100

61 134.9 0.0 319.0

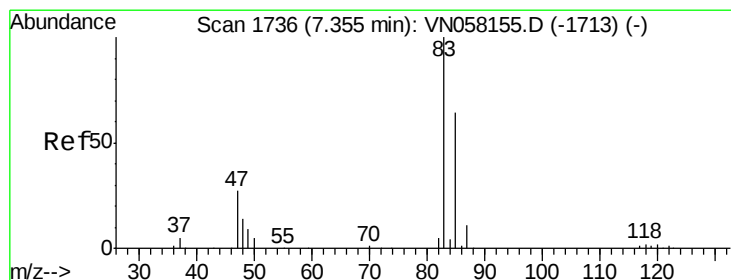
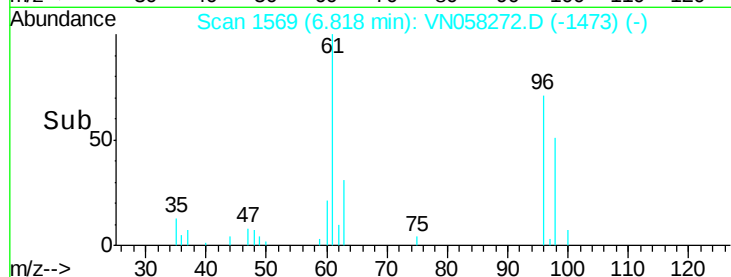
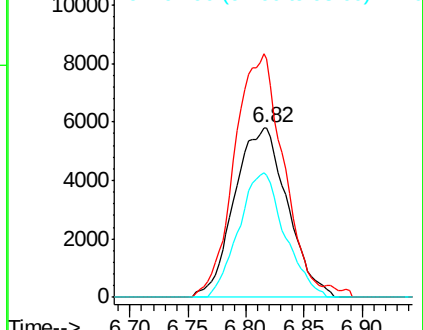
98 63.8 0.0 126.6



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: 0.932 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VN058272.D

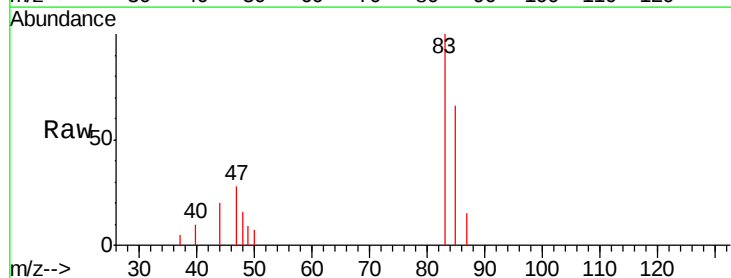
Acq: 20 Sep 2019 23:20

Tgt Ion: 83 Resp: 8558

Ion Ratio Lower Upper

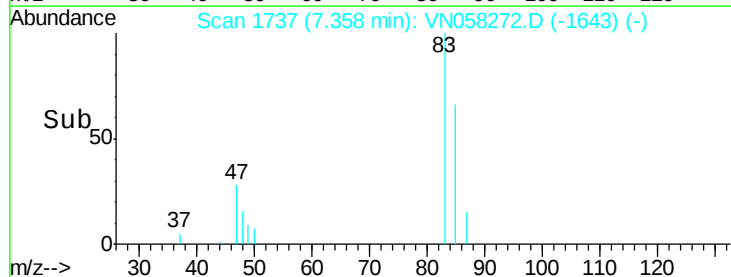
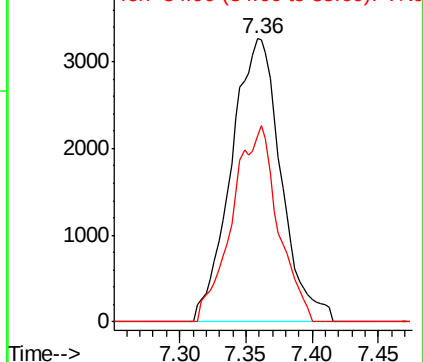
83 100

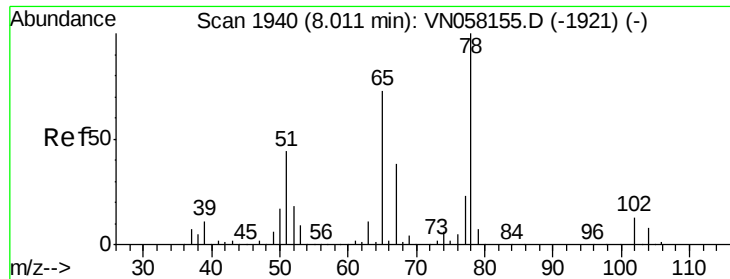
85 65.7 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

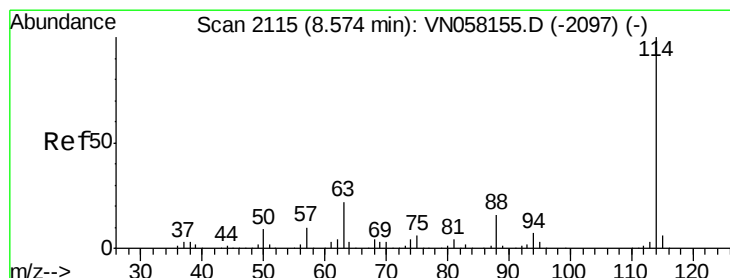
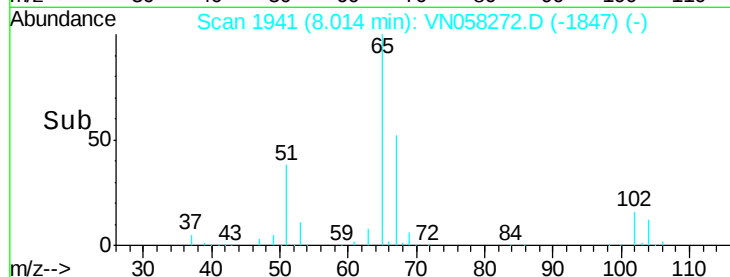
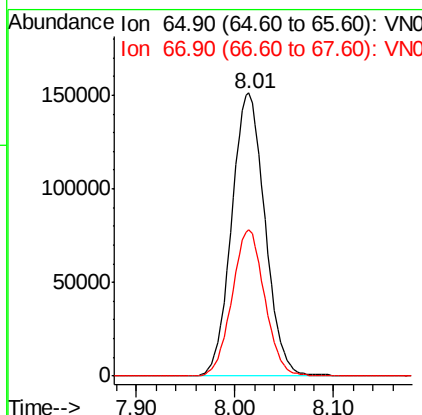
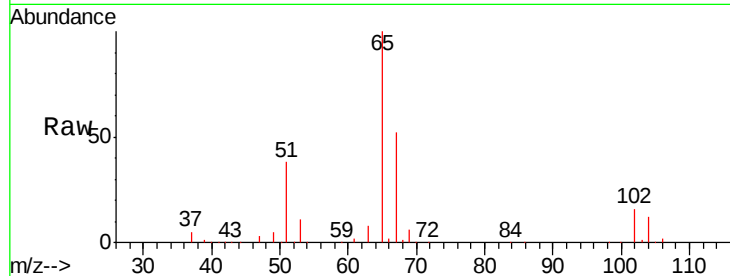




#33
 1,2-Dichloroethane-d4
 Concen: 53.714 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058272.D
 Acq: 20 Sep 2019 23:20

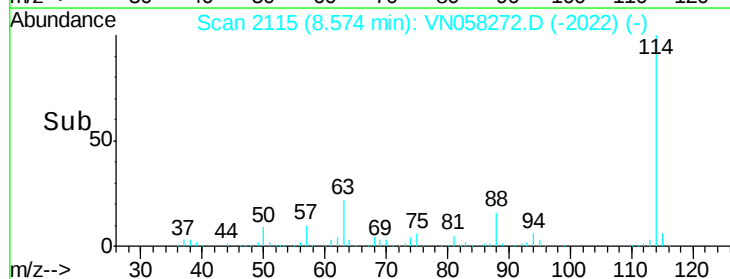
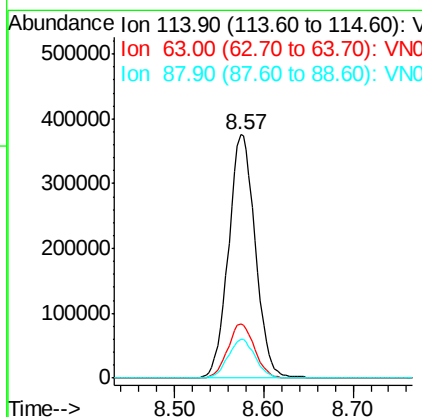
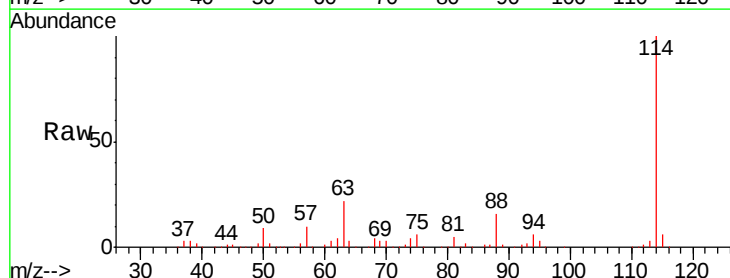
Instrument :
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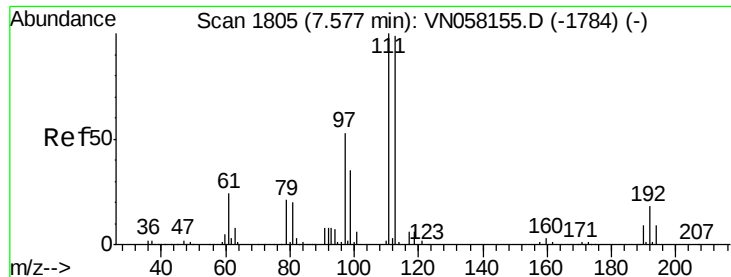
Tgt Ion: 65 Resp: 355736
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058272.D
 Acq: 20 Sep 2019 23:20

Tgt Ion: 114 Resp: 782617
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.2
 88 15.9 0.0 31.6

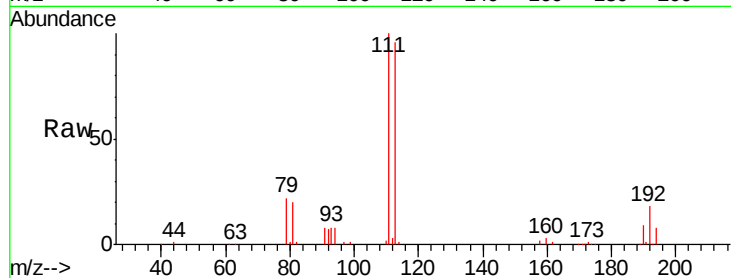




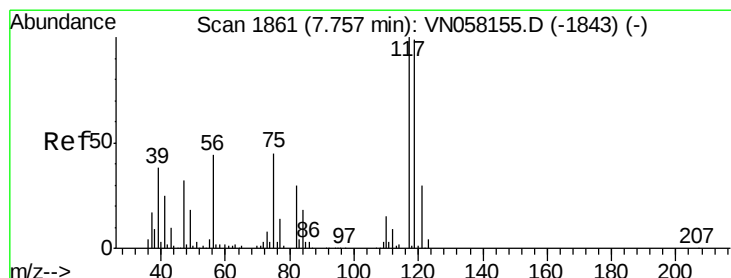
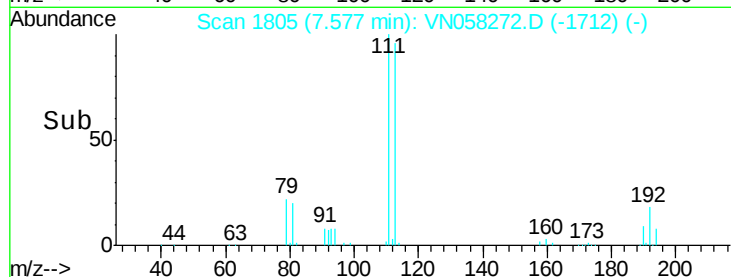
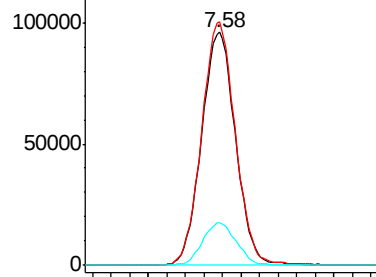
#35
 Dibromofluoromethane
 Concen: 51.346 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058272.D
 Acq: 20 Sep 2019 23:20

Instrument :
 MSVOA_N
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Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.6
192	18.1	14.5	21.7

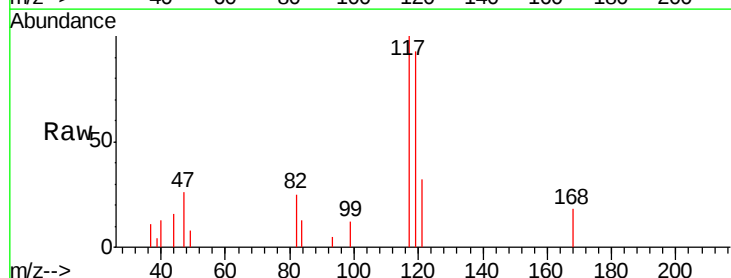


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

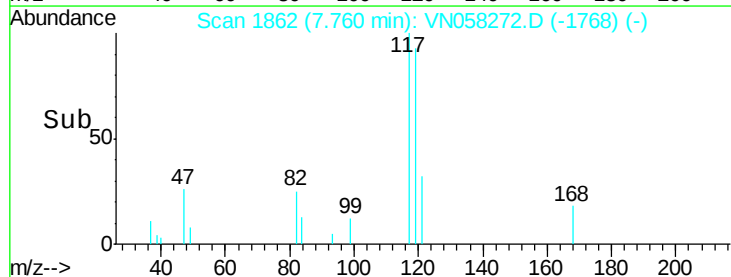
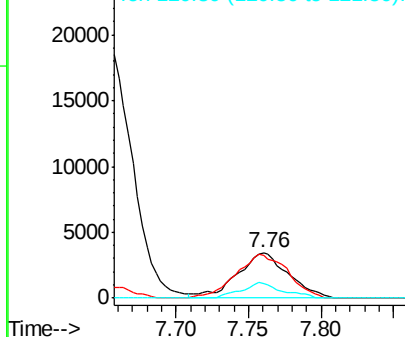


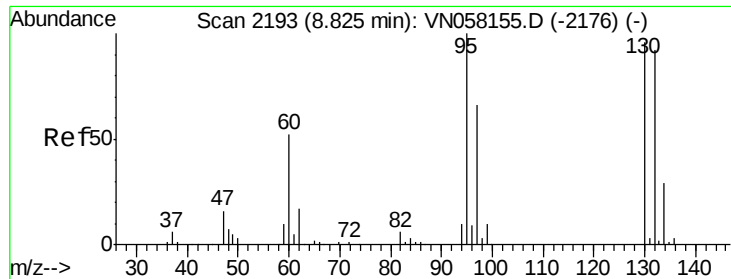
#38
 Carbon Tetrachloride
 Concen: 1.493 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN058272.D
 Acq: 20 Sep 2019 23:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	78.6	117.8
121	31.5	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

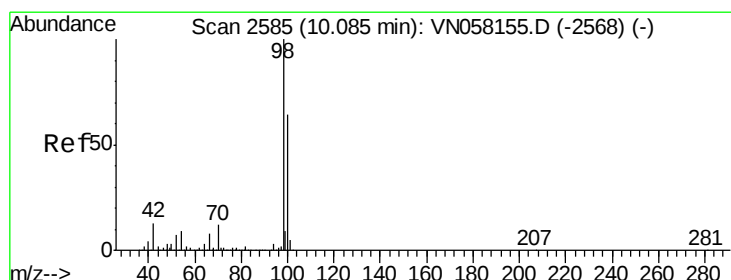
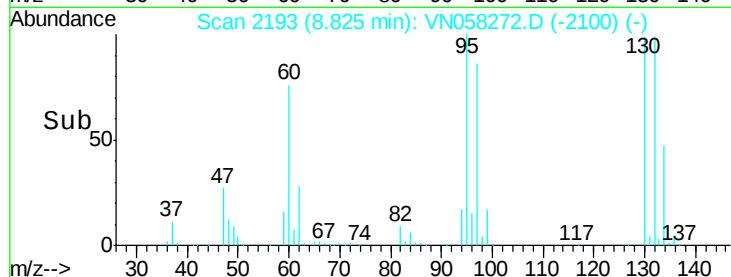
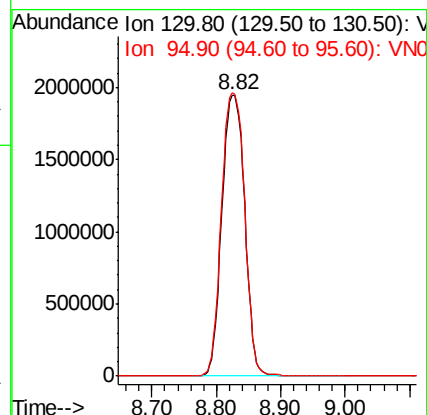
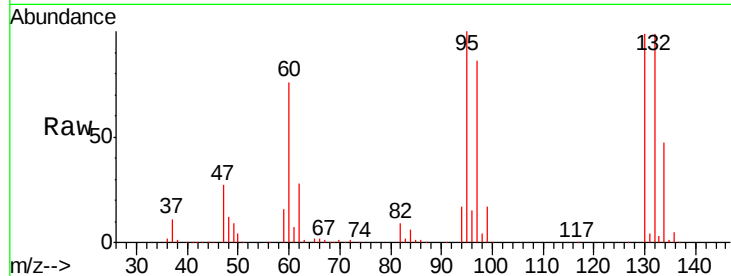




#44
 Trichloroethene
 Concen: 1135.471 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058272.D
 Acq: 20 Sep 2019 23:20

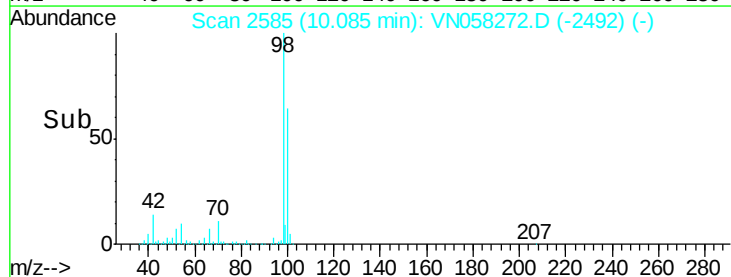
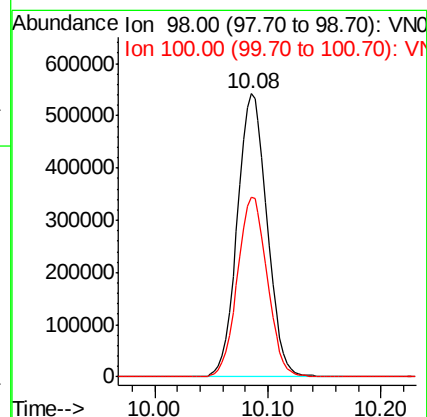
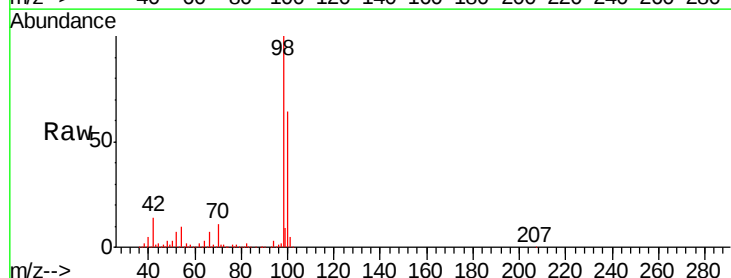
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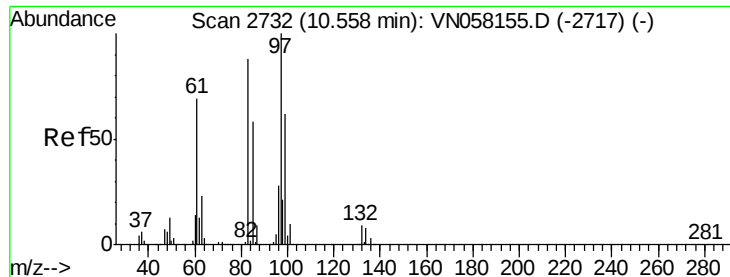
Tgt Ion:130 Resp: 4789868
 Ion Ratio Lower Upper
 130 100
 95 100.7 0.0 207.8



#50
 Toluene-d8
 Concen: 53.619 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058272.D
 Acq: 20 Sep 2019 23:20

Tgt Ion: 98 Resp: 993922
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.1 76.7

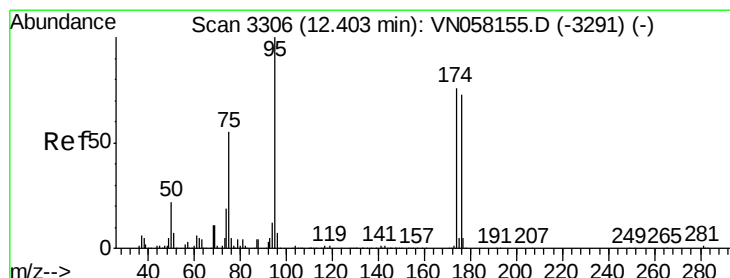
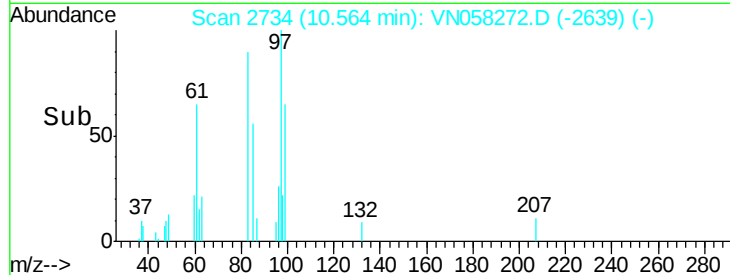
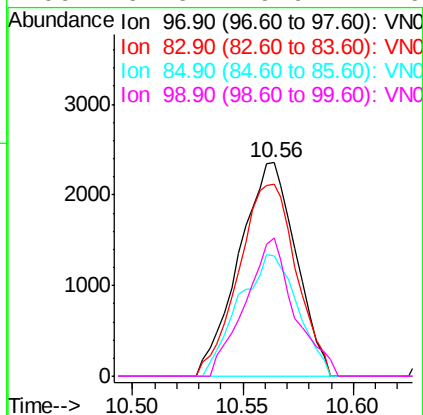
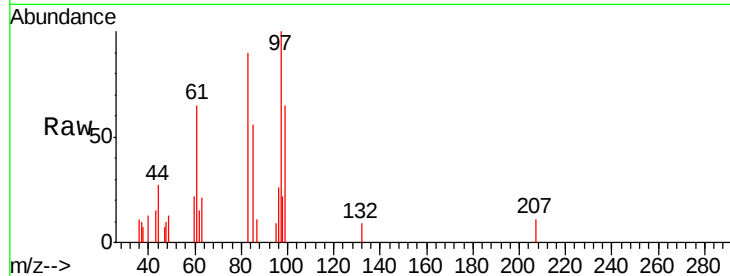




#55
 1,1,2-Trichloroethane
 Concen: 0.879 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.01 min
 Lab File: VN058272.D
 Acq: 20 Sep 2019 23:20

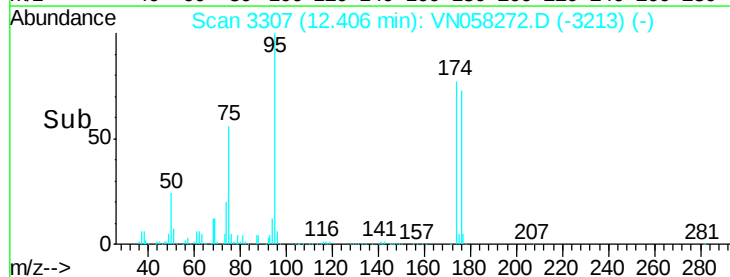
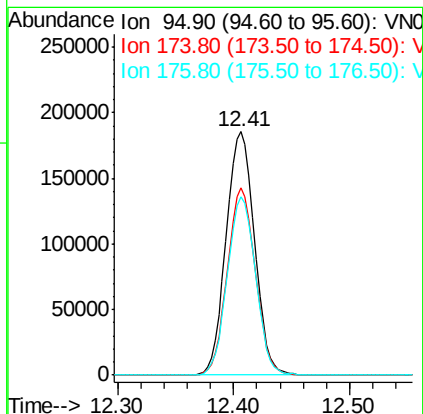
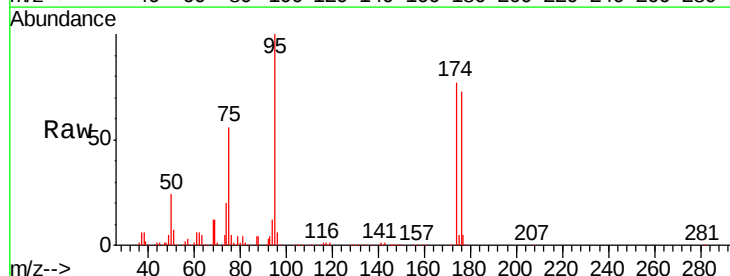
Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20190917

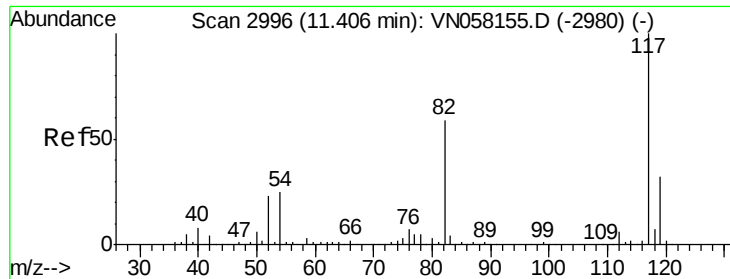
Tgt Ion:	97	Resp:	4212
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.4	105.6
85	56.5	46.8	70.2
99	64.6	49.9	74.9



#62
 4-Bromofluorobenzene
 Concen: 45.529 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058272.D
 Acq: 20 Sep 2019 23:20

Tgt Ion:	95	Resp:	313498
Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	152.2
176	73.0	0.0	148.0

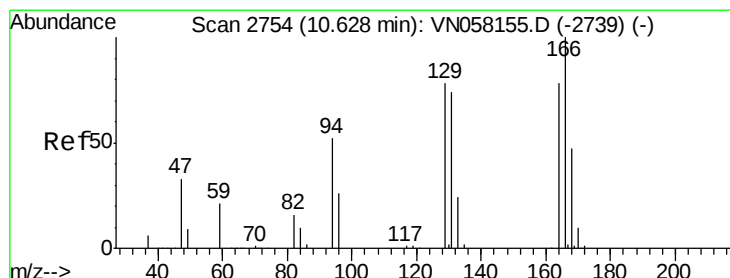
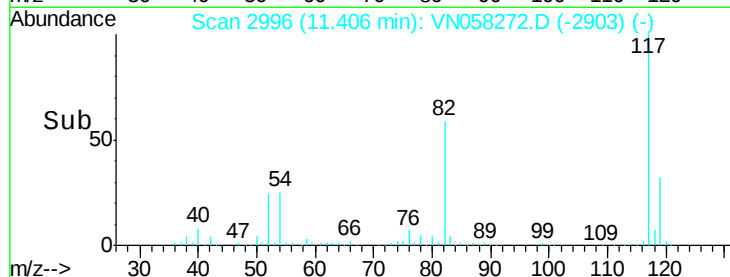
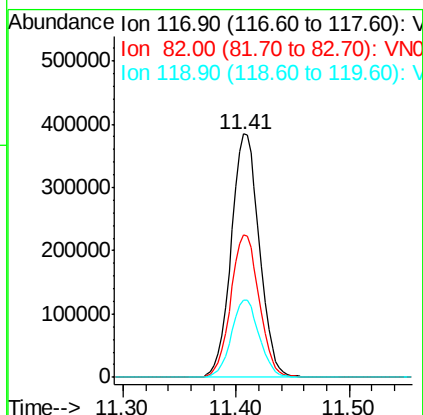
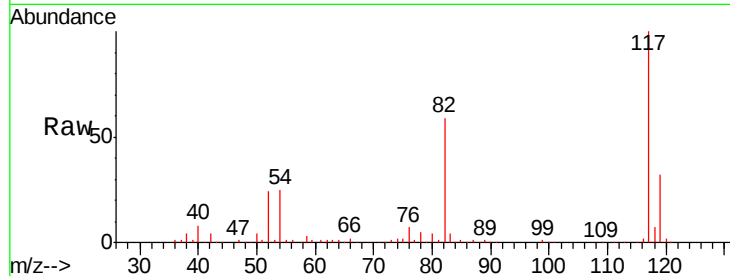




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058272.D
Acq: 20 Sep 2019 23:20

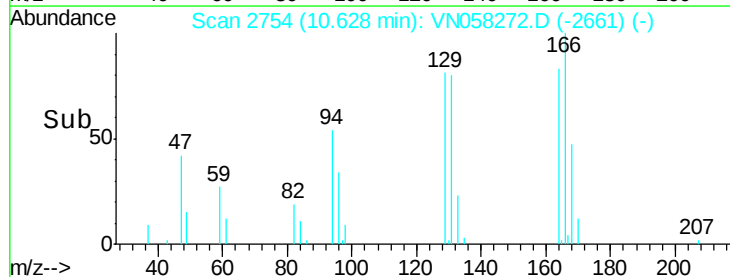
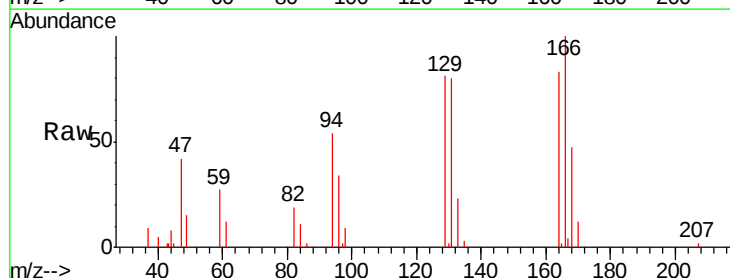
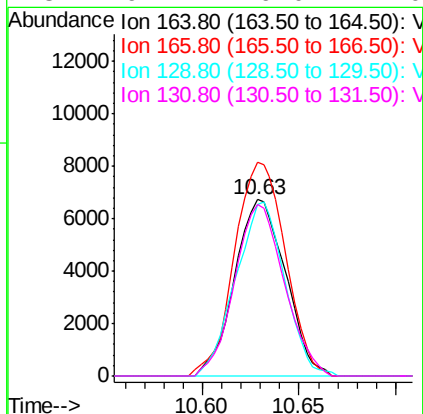
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20190917

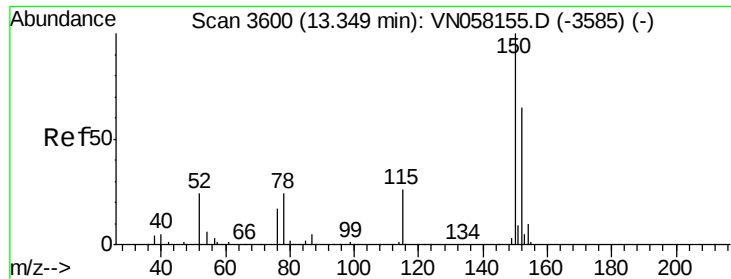
Tgt Ion:117 Resp: 665944
Ion Ratio Lower Upper
117 100
82 58.6 46.9 70.3
119 32.0 25.3 37.9



#64
Tetrachloroethene
Concen: 3.781 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058272.D
Acq: 20 Sep 2019 23:20

Tgt Ion:164 Resp: 12273
Ion Ratio Lower Upper
164 100
166 121.2 102.2 153.4
129 97.5 79.6 119.4
131 97.2 76.0 114.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058272.D

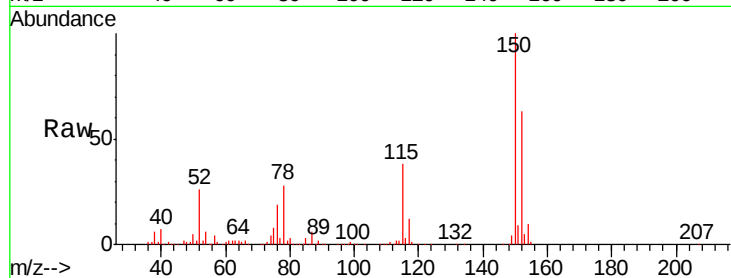
Acq: 20 Sep 2019 23:20

Instrument :

MSVOA_N

ClientSampleId :

TT101D2-20190917



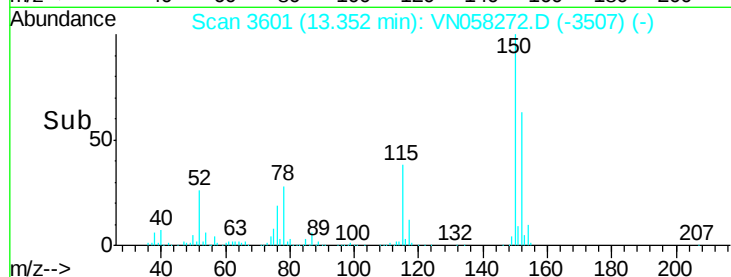
Tgt Ion:152 Resp: 263656

Ion Ratio Lower Upper

152 100

115 60.6 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

