

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058260.D
 Acq On : 20 Sep 2019 18:55
 Operator : JC/SP
 Sample : K4975-03DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20190917DL

Quant Time: Sep 20 23:52:53 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	481399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	796730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	669808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	265762	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	353950	52.79	ug/l	0.00
Spiked Amount			Recovery	=	105.58%	
35) Dibromofluoromethane	7.57	113	245413	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
50) Toluene-d8	10.08	98	1001218	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.41	95	313296	44.69	ug/l	0.00
Spiked Amount			Recovery	=	89.38%	

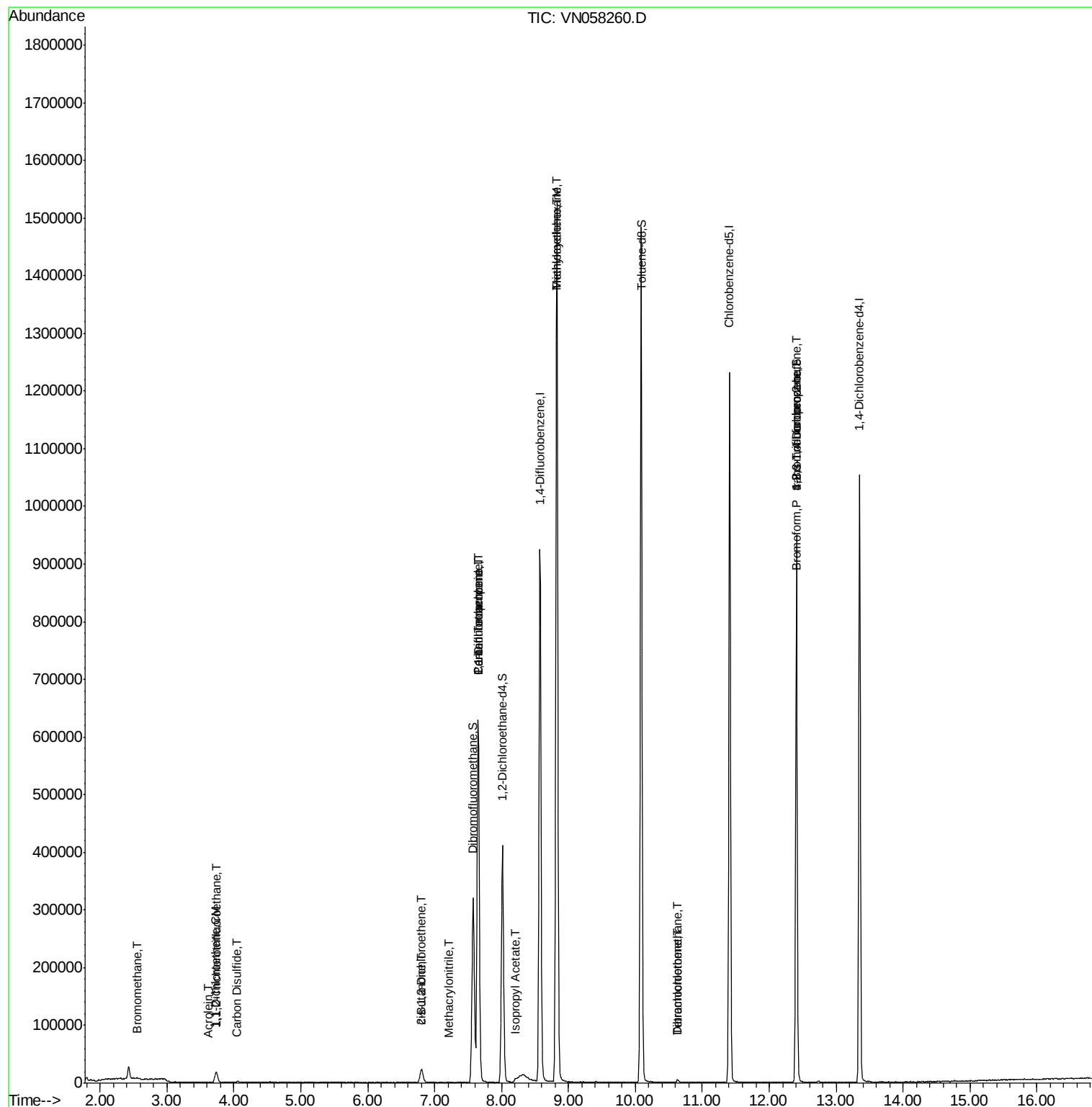
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	574	Below Cal		99
4) Vinyl Chloride	2.17	62	399	Below Cal	#	71
5) Bromomethane	2.56	94	30	0.739	ug/l #	4
6) Chloroethane	2.68	64	118	Below Cal	#	44
9) 1,1,2-Trichlorotrifluoroet	3.74	101	10146	2.607	ug/l	96
12) 1,1-Dichloroethene	3.72	96	2360	0.446	ug/l #	67
13) Acrolein	3.61	56	35	0.296	ug/l #	15
17) Carbon Disulfide	4.04	76	30	0.278	ug/l #	74
20) Methylene Chloride	4.53	84	757	Below Cal	#	73
25) 2-Butanone	6.81	43	692	0.223	ug/l #	51
27) cis-1,2-Dichloroethene	6.81	96	1455	0.298	ug/l	86
31) Cyclohexane	7.65	56	12217	Below Cal	#	16
36) 1,1-Dichloropropene	7.65	75	43203	7.519	ug/l #	50
38) Carbon Tetrachloride	7.65	117	49686	8.603	ug/l #	15
39) Methylcyclohexane	8.83	83	7303	1.384	ug/l #	1
41) Methacrylonitrile	7.21	41	64	0.932	ug/l #	100
43) Isopropyl Acetate	8.20	43	2653	0.238	ug/l #	57
44) Trichloroethene	8.82	130	530492	123.529	ug/l	99
60) Dibromochloromethane	10.63	129	1124	0.239	ug/l #	11
64) Tetrachloroethene	10.63	164	949	0.291	ug/l	87
71) Bromoform	12.39	173	199	3.653	ug/l #	29
76) 1,2,3-Trichloropropane	12.41	75	172477	36.263	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	172477	101.231	ug/l #	5

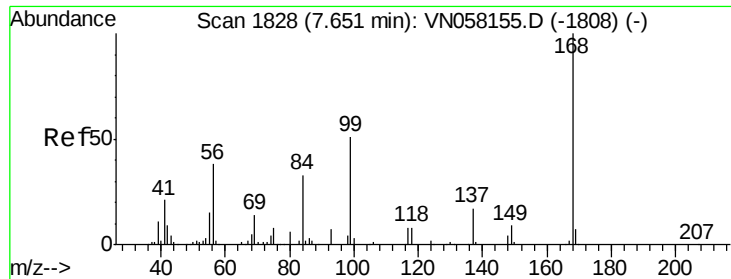
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
Data File : VN058260.D
Acq On : 20 Sep 2019 18:55
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Sample : K4975-03DL 10X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058260.D

Acq: 20 Sep 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

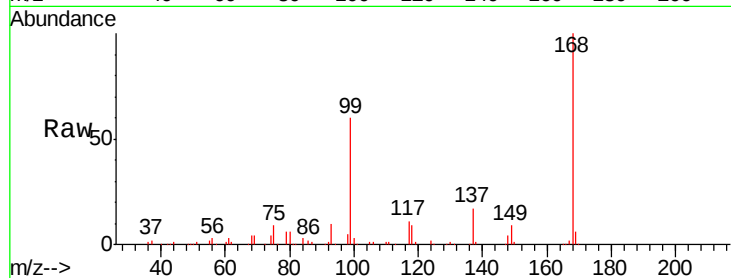
TT101D2-20190917DL

Tgt Ion:168 Resp: 481399

Ion Ratio Lower Upper

168 100

99 60.3 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN058155.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058155.D (-1808) (-)

7.65

200000

150000

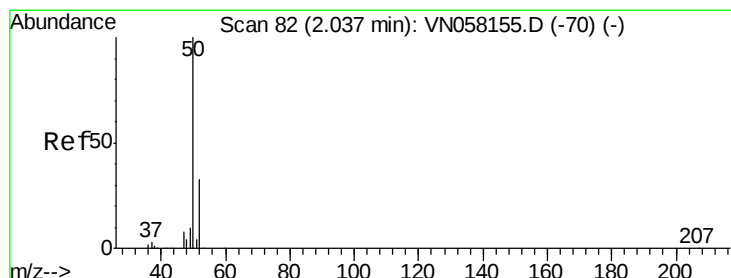
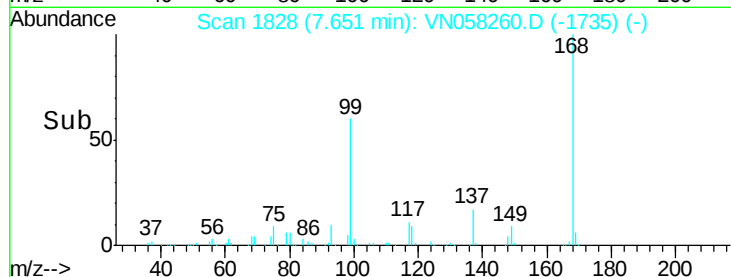
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058260.D

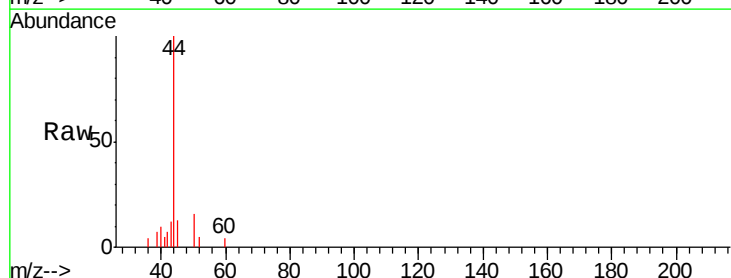
Acq: 20 Sep 2019 18:55

Tgt Ion: 50 Resp: 574

Ion Ratio Lower Upper

50 100

52 33.7 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN058155.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN058155.D (-70) (-)

2.04

600

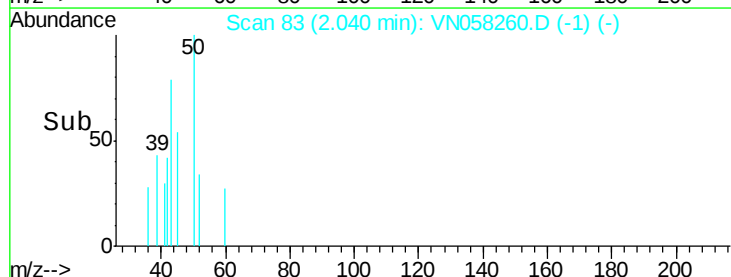
400

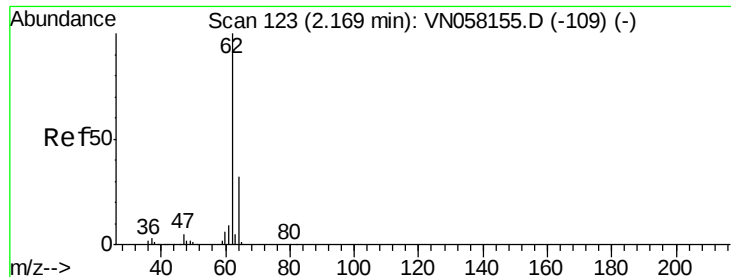
200

0

2.02 2.04 2.06

Time-->





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058260.D

Acq: 20 Sep 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

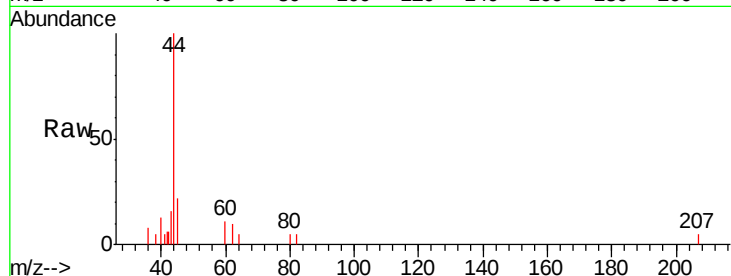
TT101D2-20190917DL

Tgt Ion: 62 Resp: 399

Ion Ratio Lower Upper

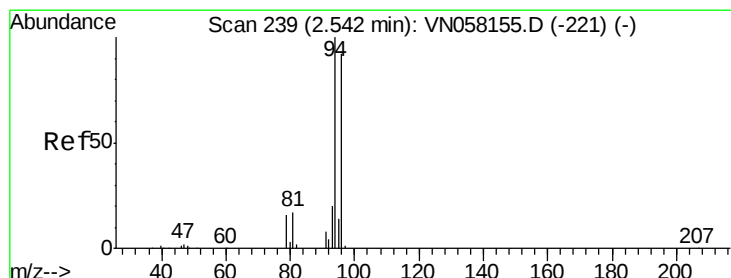
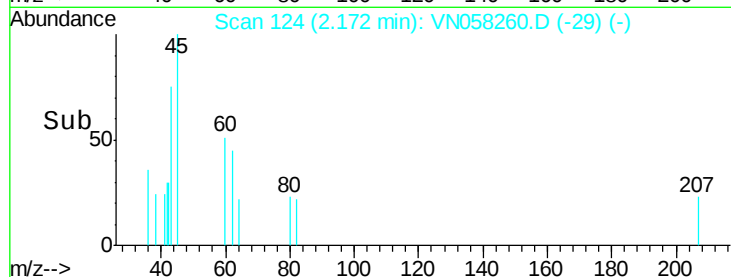
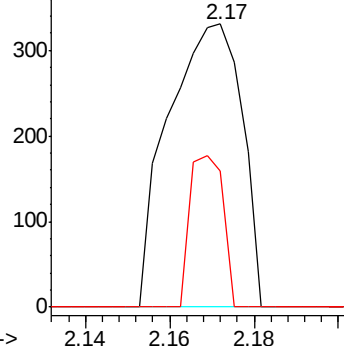
62 100

64 48.0 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: 0.739 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.02 min

Lab File: VN058260.D

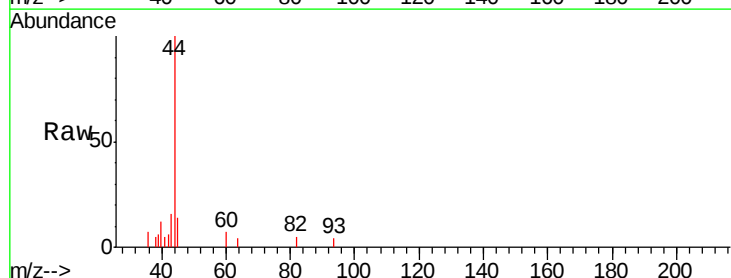
Acq: 20 Sep 2019 18:55

Tgt Ion: 94 Resp: 30

Ion Ratio Lower Upper

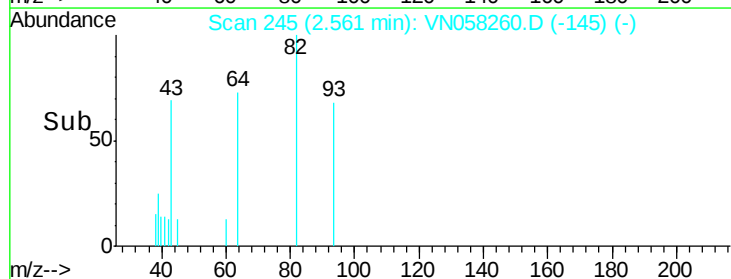
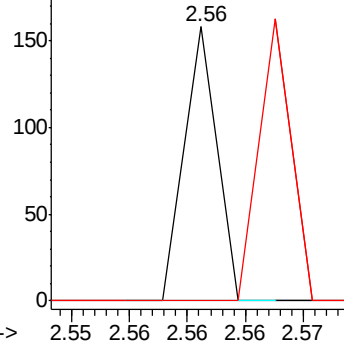
94 100

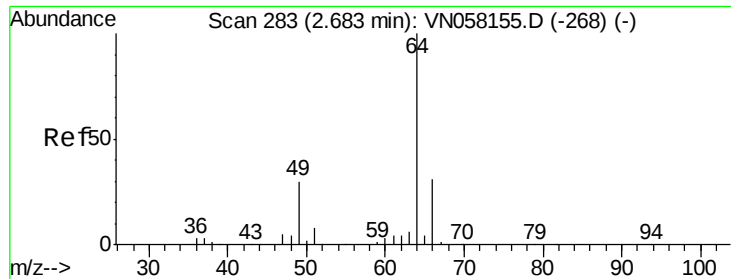
96 0.0 73.3 109.9#



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: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN058260.D

Acq: 20 Sep 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

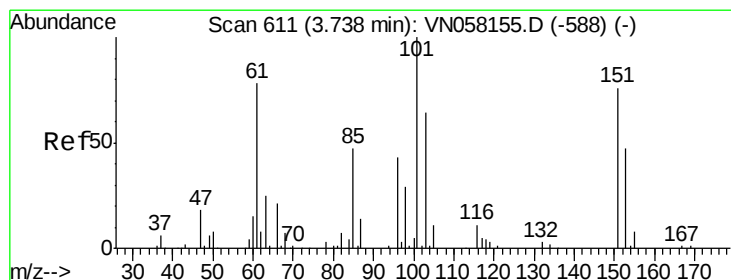
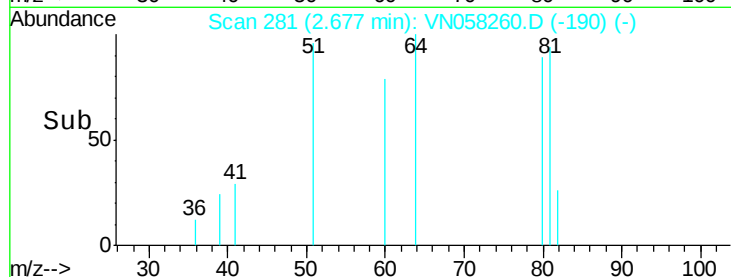
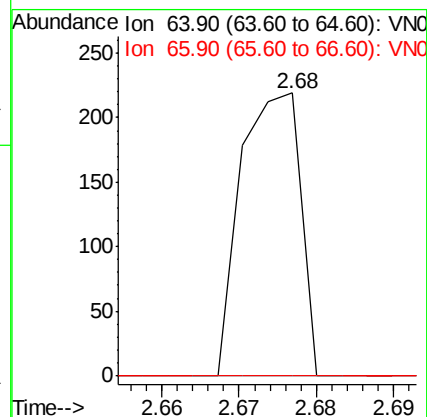
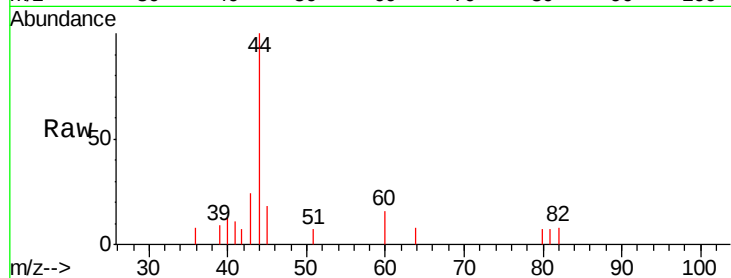
TT101D2-20190917DL

Tgt Ion: 64 Resp: 118

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.607 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058260.D

Acq: 20 Sep 2019 18:55

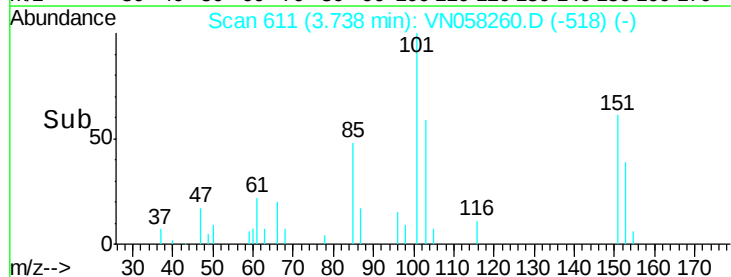
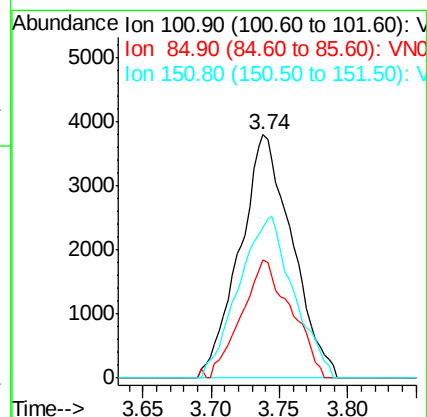
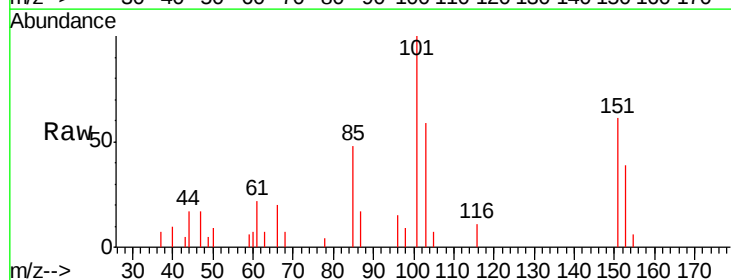
Tgt Ion: 101 Resp: 10146

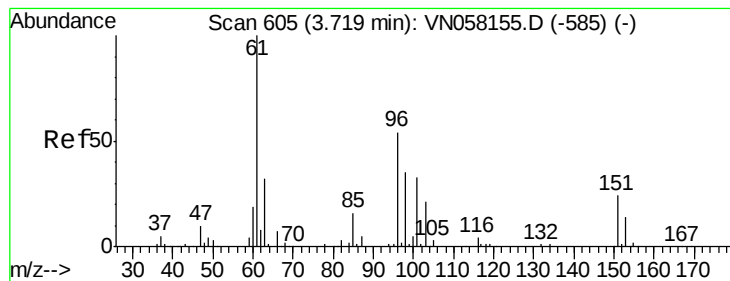
Ion Ratio Lower Upper

101 100

85 45.7 37.3 55.9

151 69.1 59.6 89.4





#12

1,1-Dichloroethene

Concen: 0.446 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN058260.D

Acq: 20 Sep 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

TT101D2-20190917DL

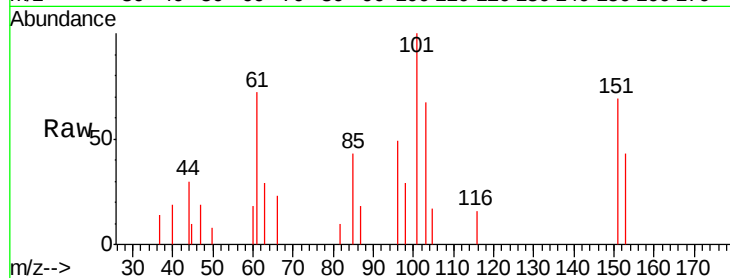
Tgt Ion: 96 Resp: 2360

Ion Ratio Lower Upper

96 100

61 126.4 149.5 224.3#

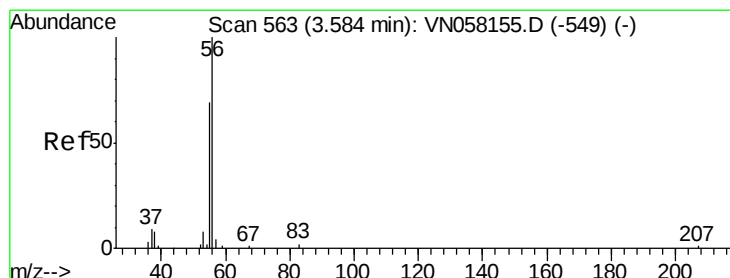
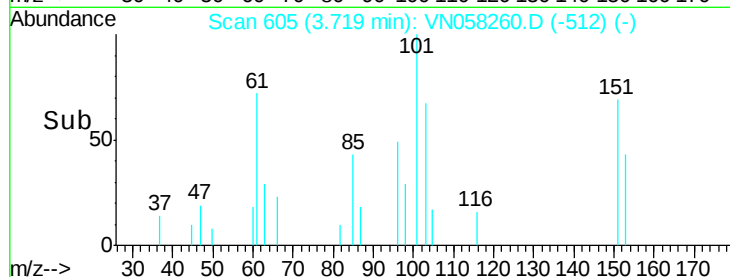
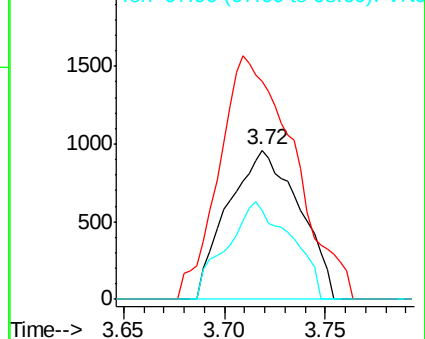
98 59.5 52.4 78.6



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



#13

Acrolein

Concen: 0.296 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.03 min

Lab File: VN058260.D

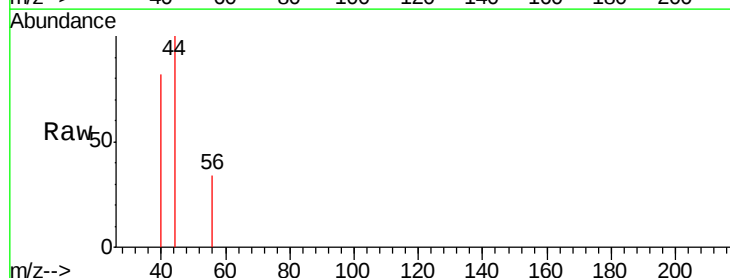
Acq: 20 Sep 2019 18:55

Tgt Ion: 56 Resp: 35

Ion Ratio Lower Upper

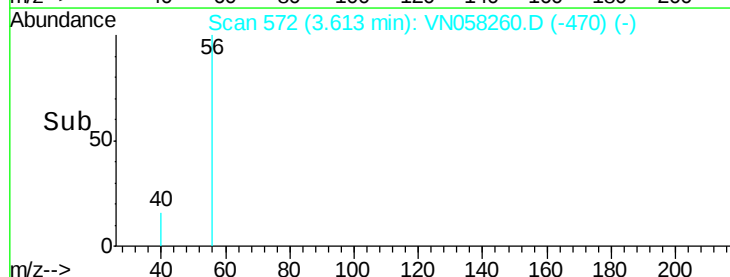
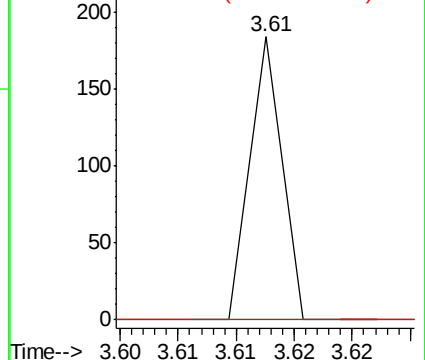
56 100

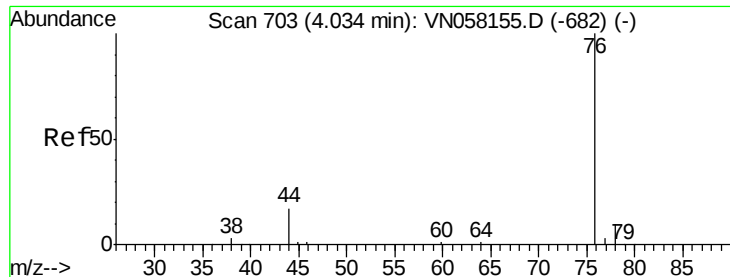
55 0.0 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#17

Carbon Disulfide

Concen: 0.278 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN058260.D

Acq: 20 Sep 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

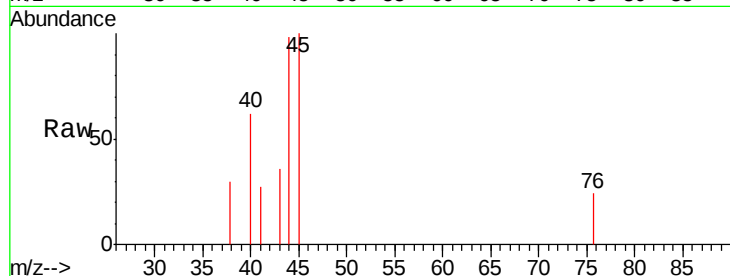
TT101D2-20190917DL

Tgt Ion: 76 Resp: 30

Ion Ratio Lower Upper

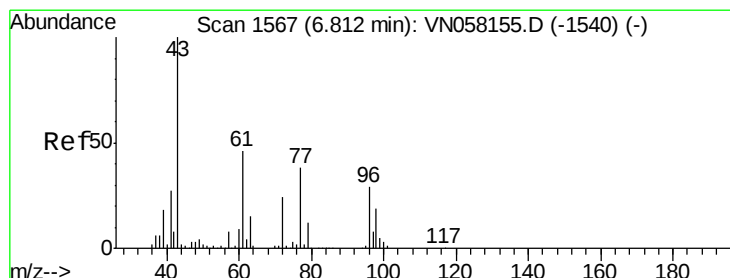
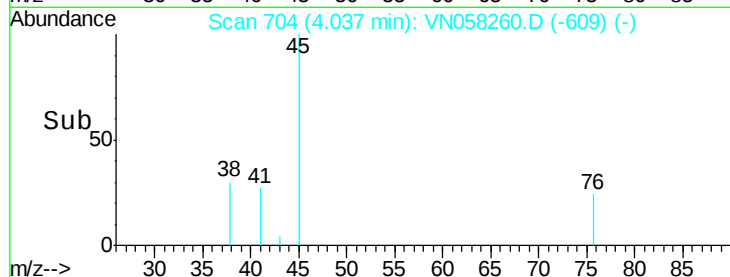
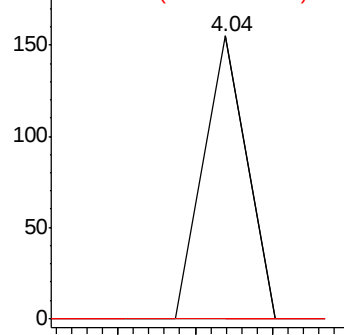
76 100

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



#25

2-Butanone

Concen: 0.223 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058260.D

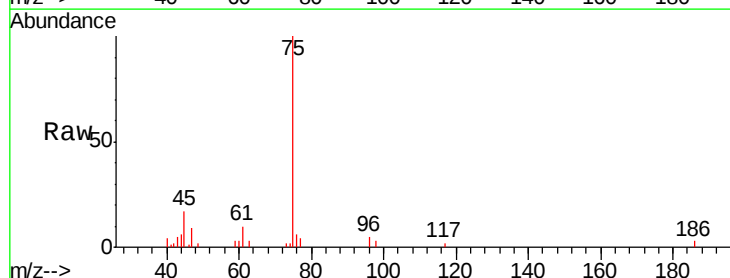
Acq: 20 Sep 2019 18:55

Tgt Ion: 43 Resp: 692

Ion Ratio Lower Upper

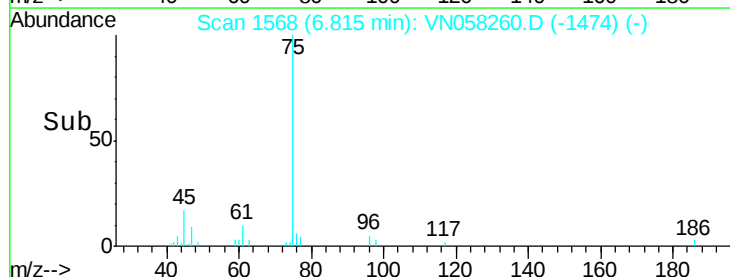
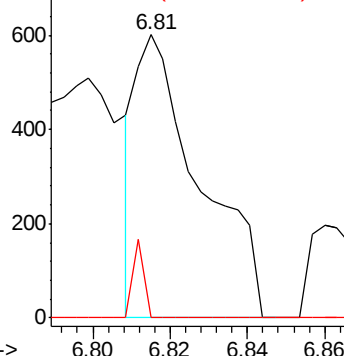
43 100

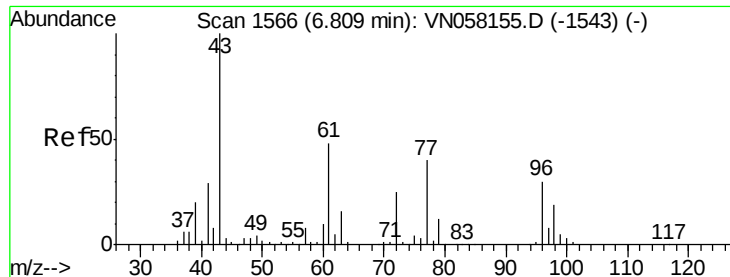
72 0.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#27

cis-1,2-Dichloroethene

Concen: 0.298 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058260.D

Acq: 20 Sep 2019 18:55

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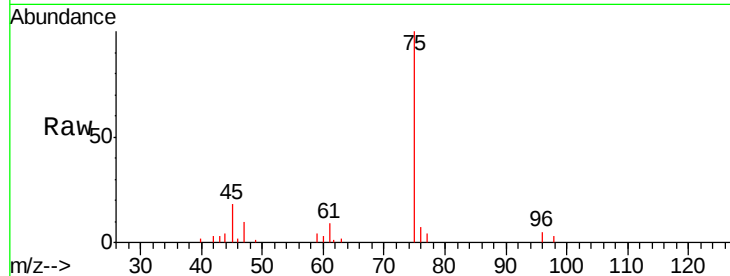
Tgt Ion: 96 Resp: 1455

Ion Ratio Lower Upper

96 100

61 144.3 0.0 319.0

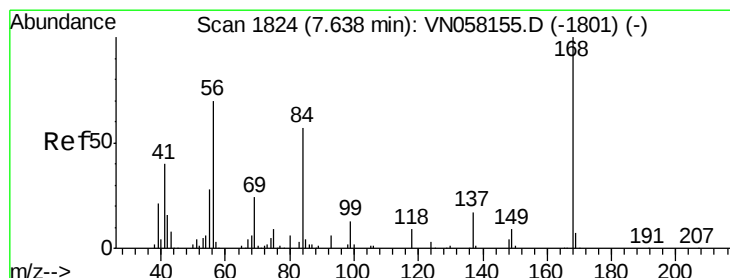
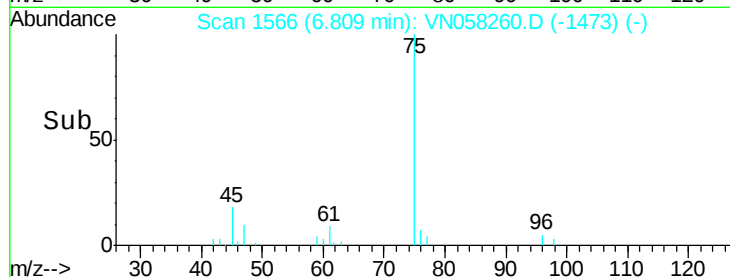
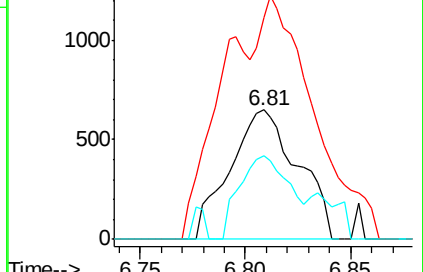
98 48.0 0.0 126.6



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



#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1829

Delta R.T. 0.02 min

Lab File: VN058260.D

Acq: 20 Sep 2019 18:55

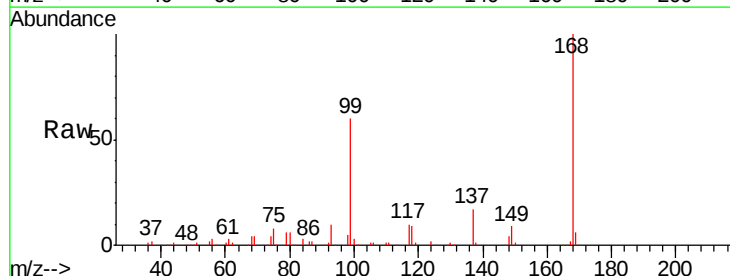
Tgt Ion: 56 Resp: 12217

Ion Ratio Lower Upper

56 100

69 147.5 27.3 40.9#

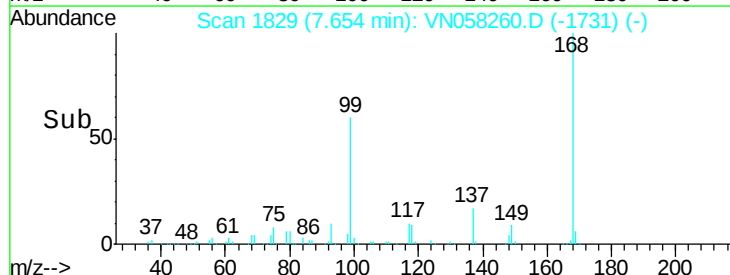
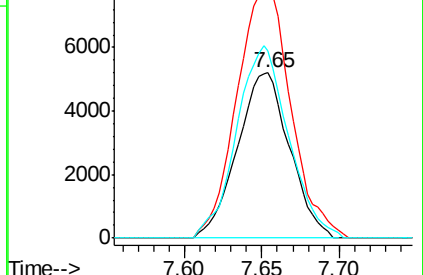
84 113.2 65.0 97.4#

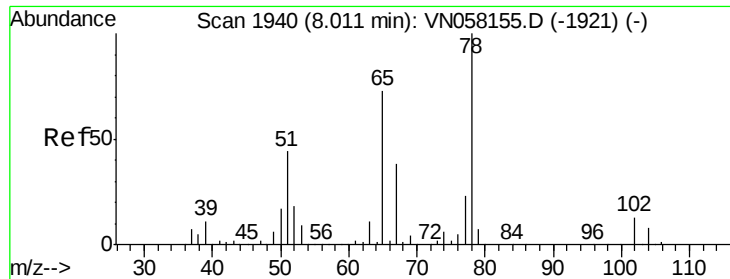


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

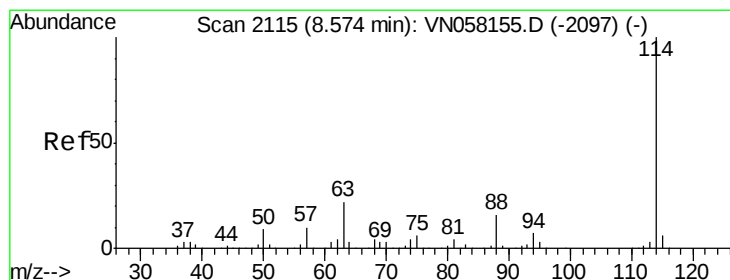
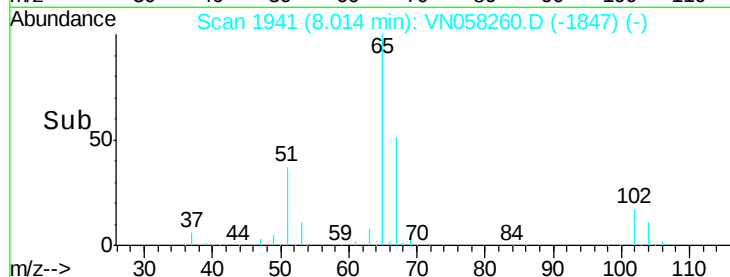
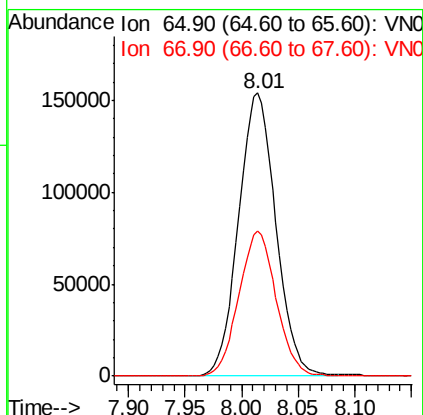
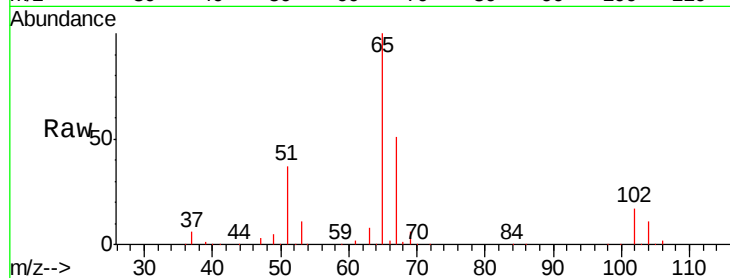




#33
 1,2-Dichloroethane-d4
 Concen: 52.790 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058260.D
 Acq: 20 Sep 2019 18:55

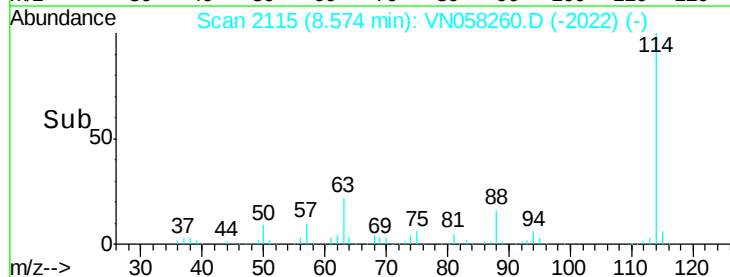
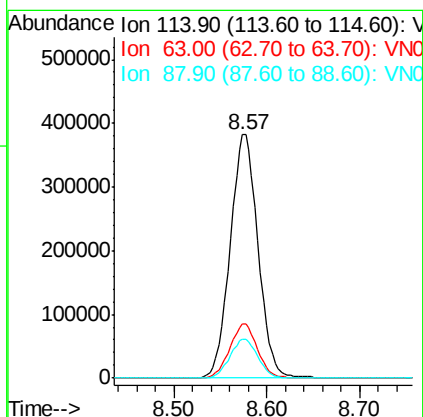
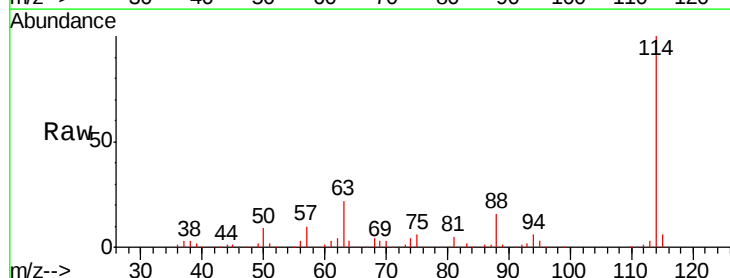
Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20190917DL

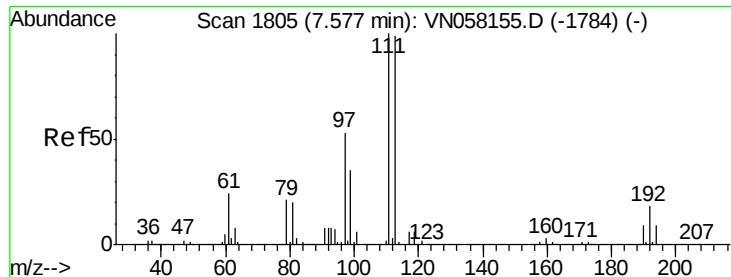
Tgt Ion: 65 Resp: 353950
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058260.D
 Acq: 20 Sep 2019 18:55

Tgt Ion: 114 Resp: 796730
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.2
 88 16.1 0.0 31.6

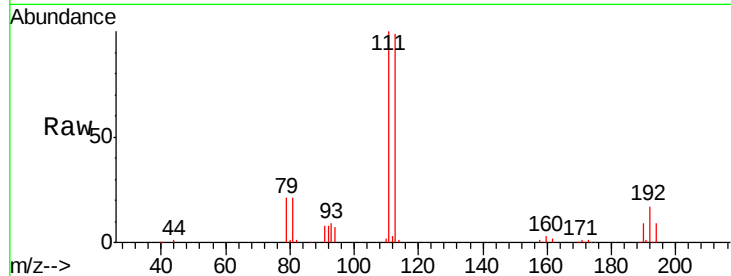




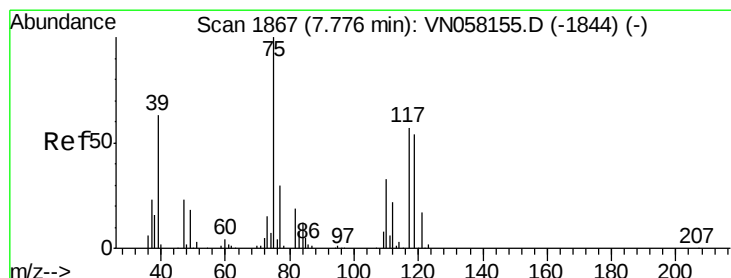
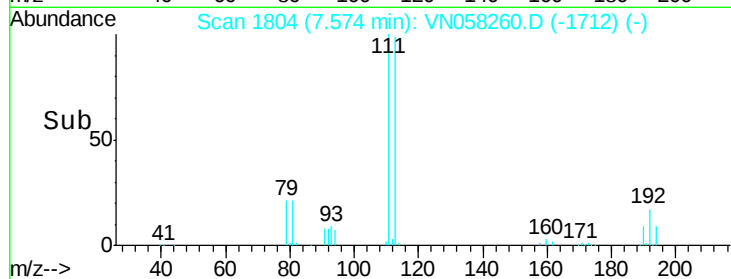
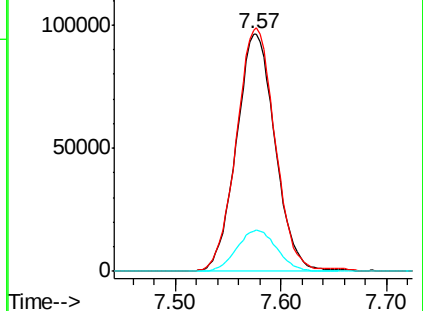
#35
 Dibromofluoromethane
 Concen: 50.669 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058260.D
 Acq: 20 Sep 2019 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20190917DL

Tgt Ion: 113 Resp: 245413
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.8 122.6
 192 17.9 14.5 21.7

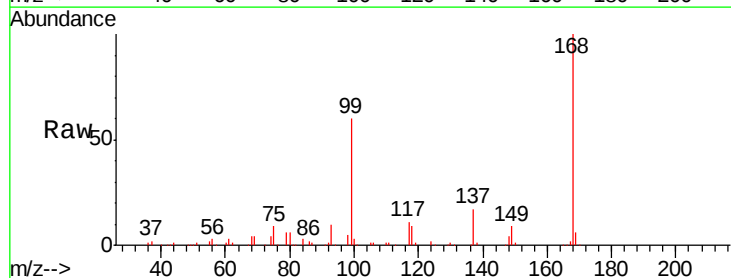


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

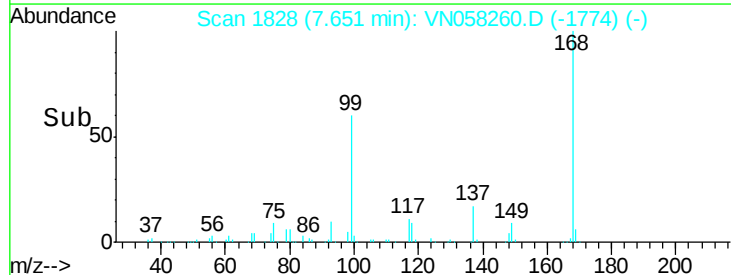
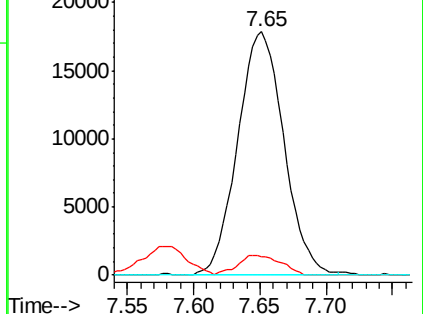


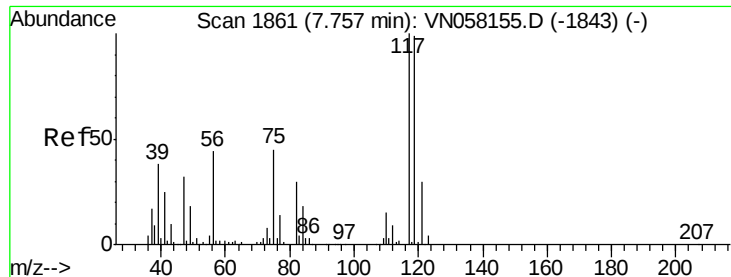
#36
 1,1-Dichloropropene
 Concen: 7.519 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058260.D
 Acq: 20 Sep 2019 18:55

Tgt Ion: 75 Resp: 43203
 Ion Ratio Lower Upper
 75 100
 110 7.6 16.6 49.7#
 77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 8.603 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058260.D

Acq: 20 Sep 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

TT101D2-20190917DL

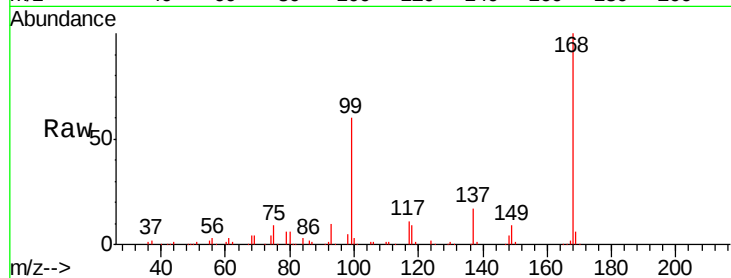
Tgt Ion:117 Resp: 49686

Ion Ratio Lower Upper

117 100

119 4.9 78.6 117.8#

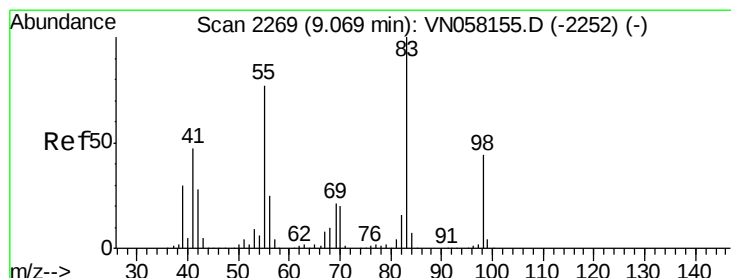
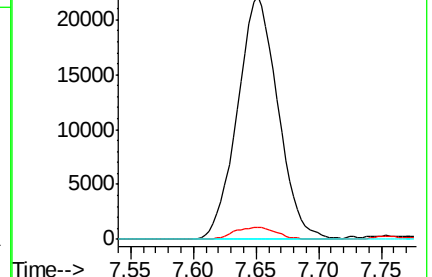
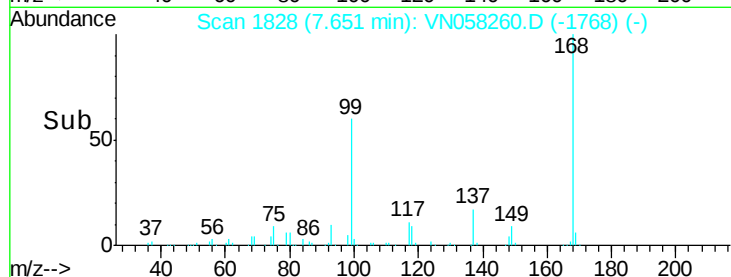
121 0.0 24.1 36.1#



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: 1.384 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.24 min

Lab File: VN058260.D

Acq: 20 Sep 2019 18:55

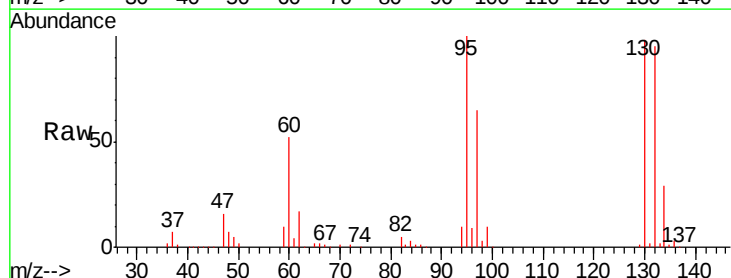
Tgt Ion: 83 Resp: 7303

Ion Ratio Lower Upper

83 100

55 0.0 61.9 92.9#

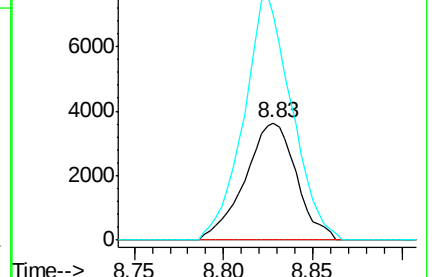
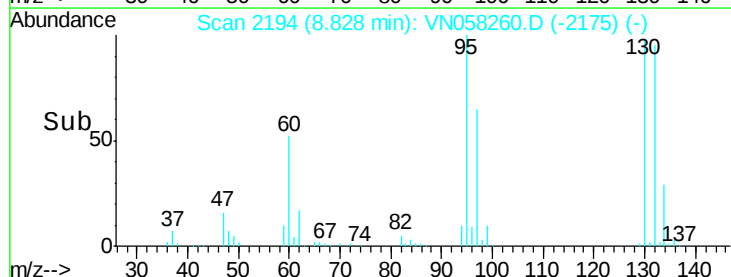
98 192.4 35.4 53.2#

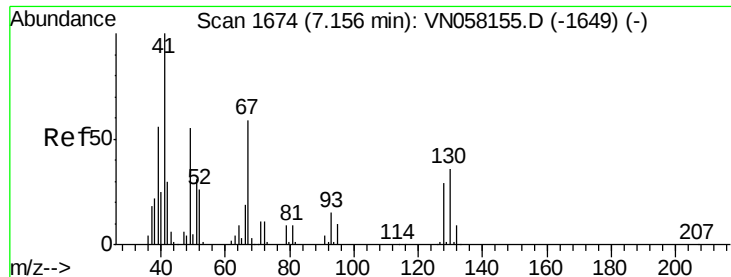


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

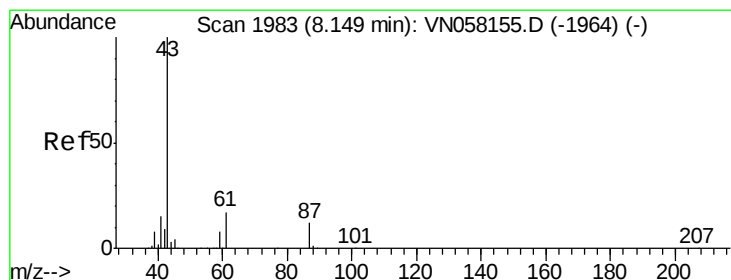
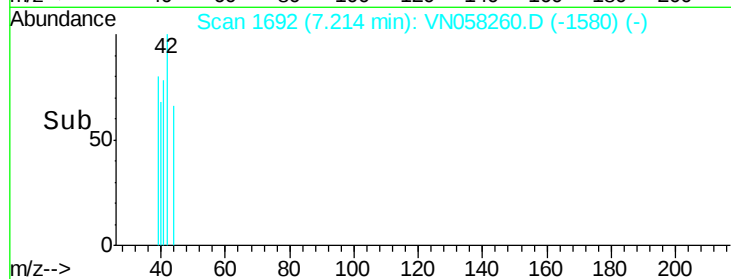
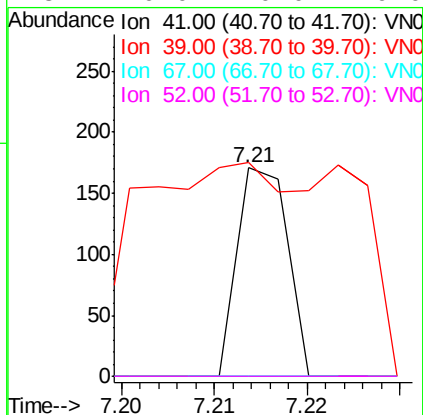
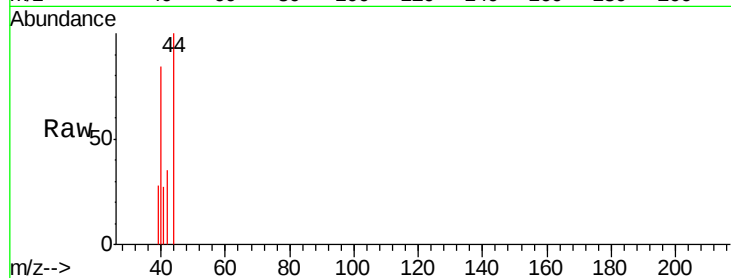




#41
Methacrylonitrile
Concen: 0.932 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.06 min
Lab File: VN058260.D
Acq: 20 Sep 2019 18:55

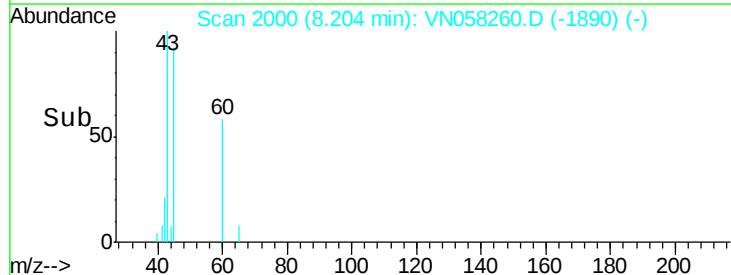
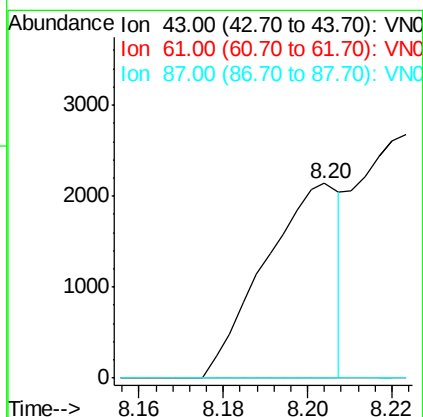
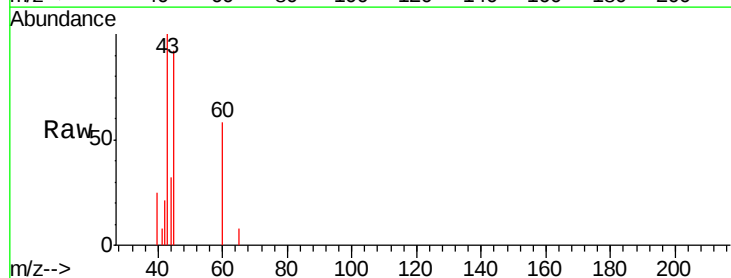
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20190917DL

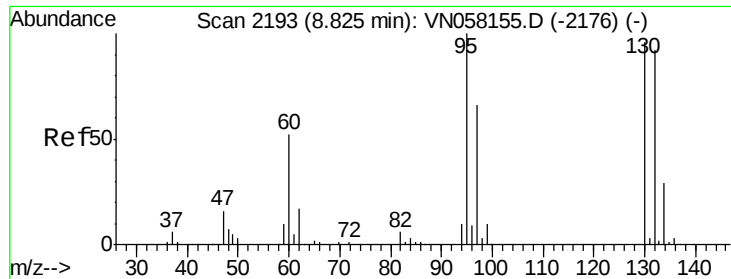
Tgt Ion:	41	Resp:	64
Ion	Ratio	Lower	Upper
41	100		
39	434.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 0.238 ug/l
RT: 8.20 min Scan# 2000
Delta R.T. 0.05 min
Lab File: VN058260.D
Acq: 20 Sep 2019 18:55

Tgt Ion:	43	Resp:	2653
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.7	29.5#
87	0.0	9.4	14.2#





#44

Trichloroethene

Concen: 123.529 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058260.D

Acq: 20 Sep 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

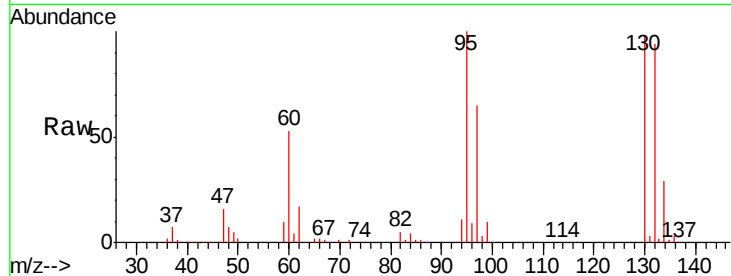
TT101D2-20190917DL

Tgt Ion:130 Resp: 530492

Ion Ratio Lower Upper

130 100

95 102.5 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058260.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058260.D (-2100) (-)

8.82

250000

200000

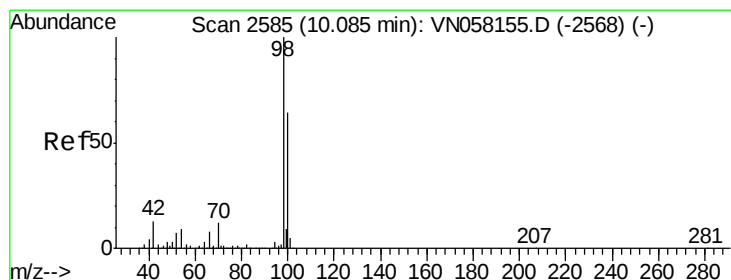
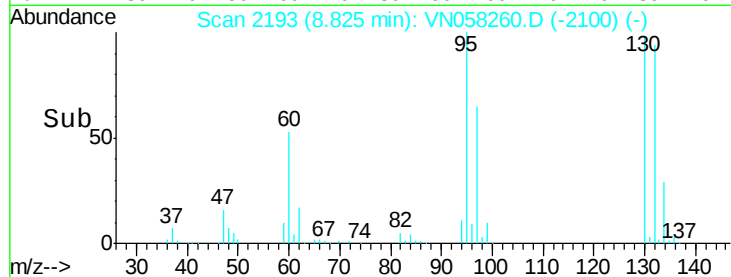
150000

100000

50000

0

Time--> 8.70 8.80 8.90



#50

Toluene-d8

Concen: 53.056 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058260.D

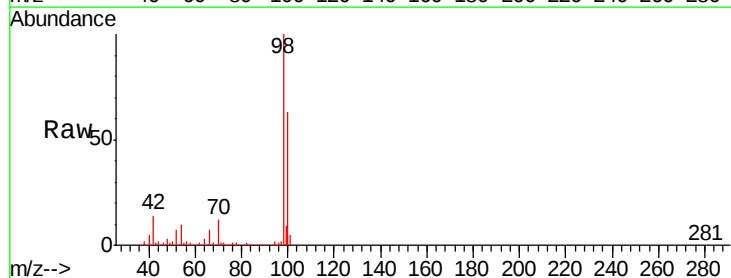
Acq: 20 Sep 2019 18:55

Tgt Ion: 98 Resp: 1001218

Ion Ratio Lower Upper

98 100

100 63.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058260.D (-2492) (-)

Ion 100.00 (99.70 to 100.70): VN058260.D (-2492) (-)

10.08

600000

500000

400000

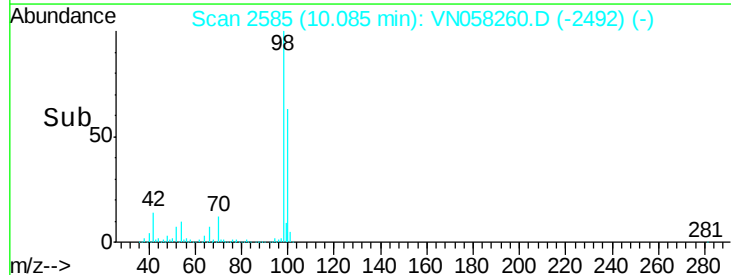
300000

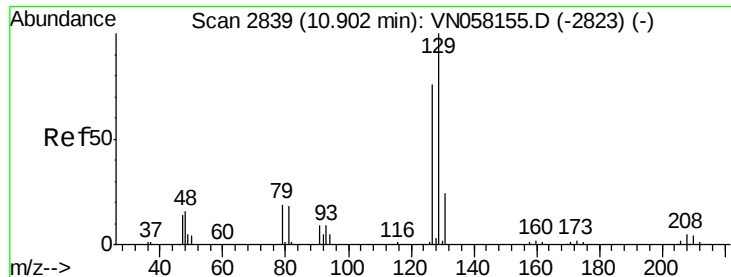
200000

100000

0

Time--> 10.00 10.10 10.20

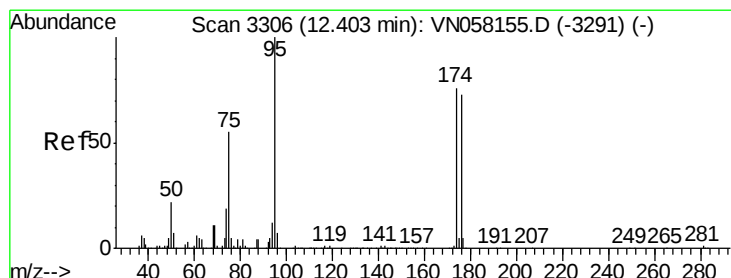
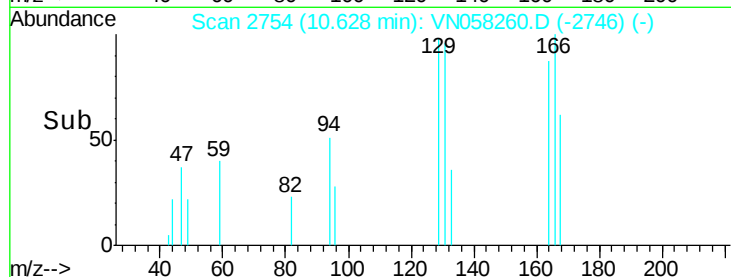
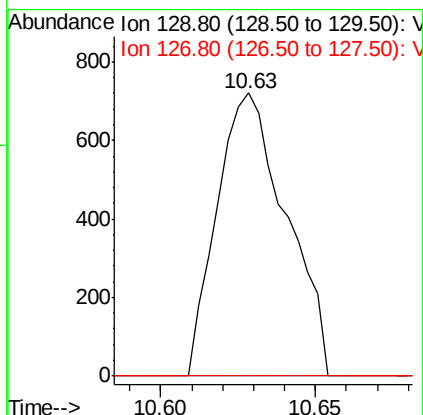
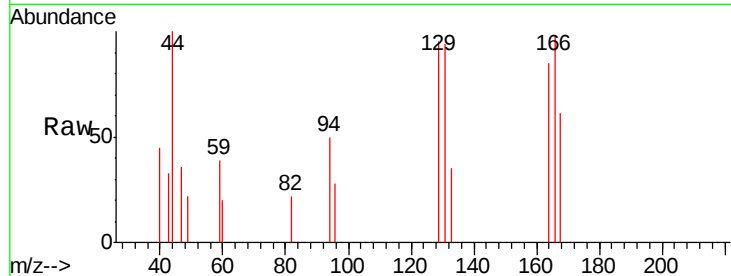




#60
 Dibromochloromethane
 Concen: 0.239 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. -0.27 min
 Lab File: VN058260.D
 Acq: 20 Sep 2019 18:55

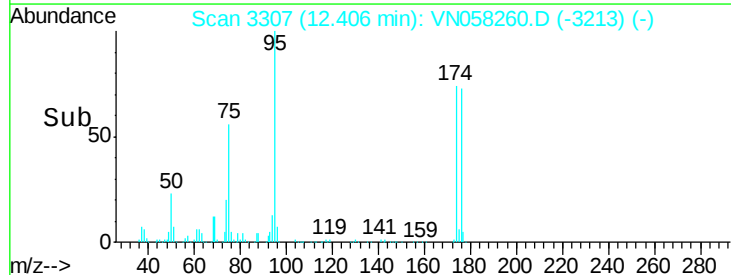
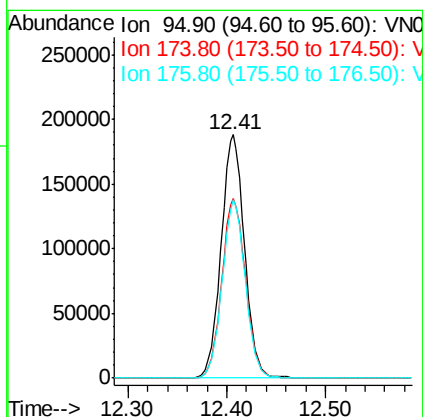
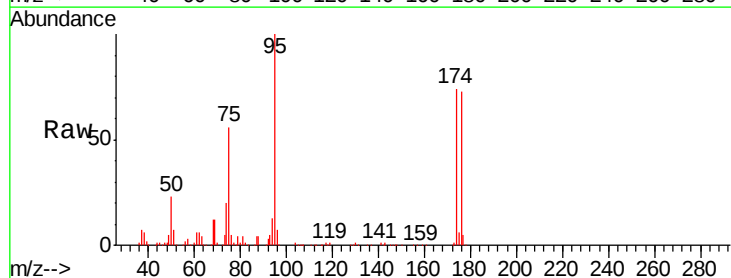
Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20190917DL

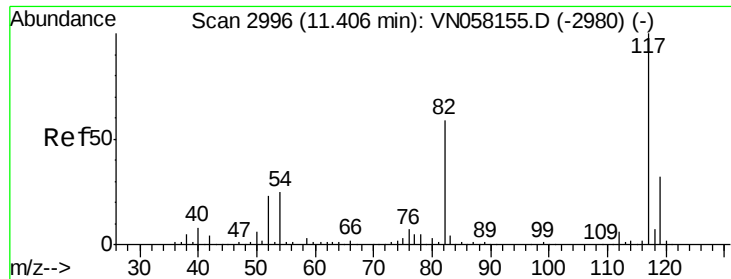
Tgt Ion: 129 Resp: 1124
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.7 116.1#



#62
 4-Bromofluorobenzene
 Concen: 44.693 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058260.D
 Acq: 20 Sep 2019 18:55

Tgt Ion: 95 Resp: 313296
 Ion Ratio Lower Upper
 95 100
 174 75.0 0.0 152.2
 176 72.5 0.0 148.0

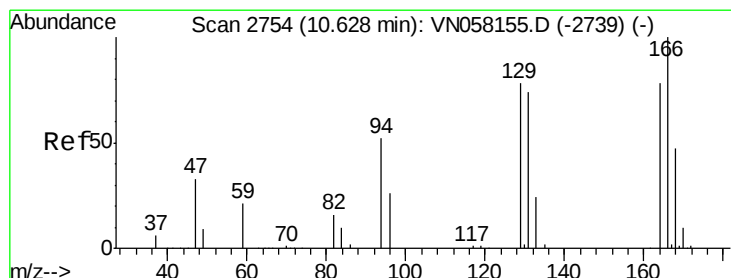
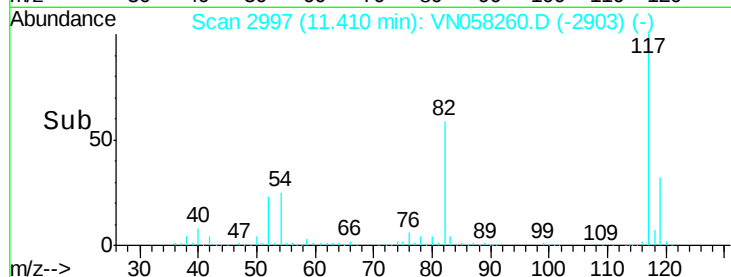
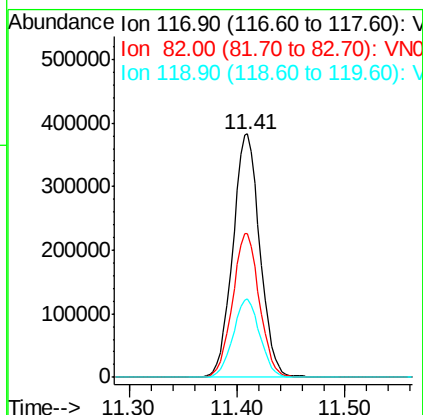
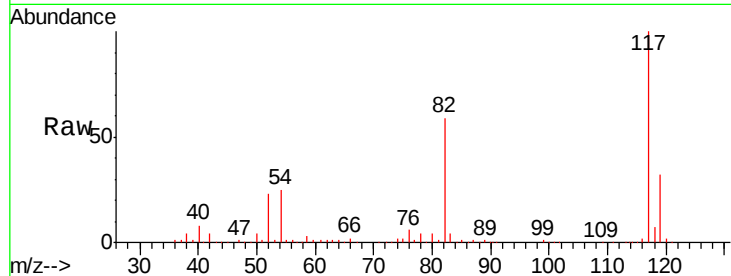




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058260.D
Acq: 20 Sep 2019 18:55

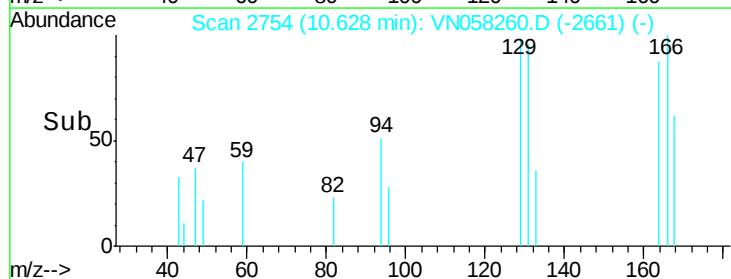
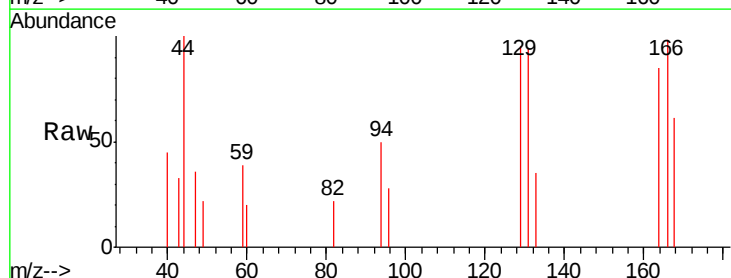
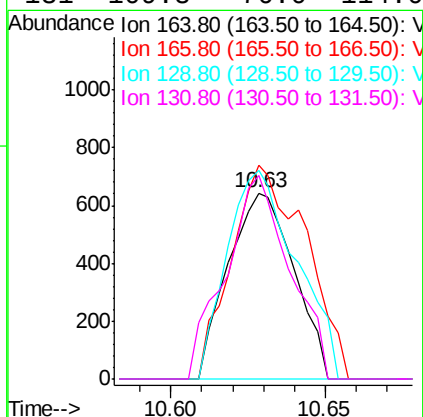
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20190917DL

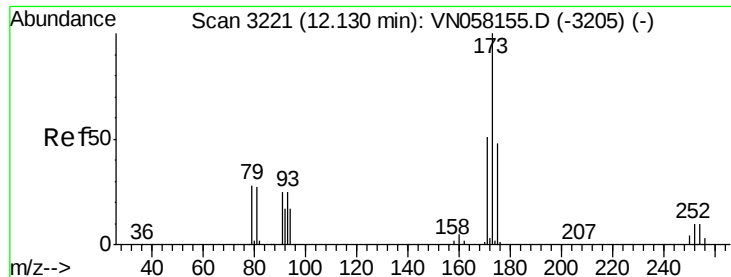
Tgt Ion:117 Resp: 669808
Ion Ratio Lower Upper
117 100
82 58.9 46.9 70.3
119 32.3 25.3 37.9



#64
Tetrachloroethene
Concen: 0.291 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058260.D
Acq: 20 Sep 2019 18:55

Tgt Ion:164 Resp: 949
Ion Ratio Lower Upper
164 100
166 114.9 102.2 153.4
129 112.1 79.6 119.4
131 109.8 76.0 114.0





#71

Bromoform

Concen: 3.653 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN058260.D

Acq: 20 Sep 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

TT101D2-20190917DL

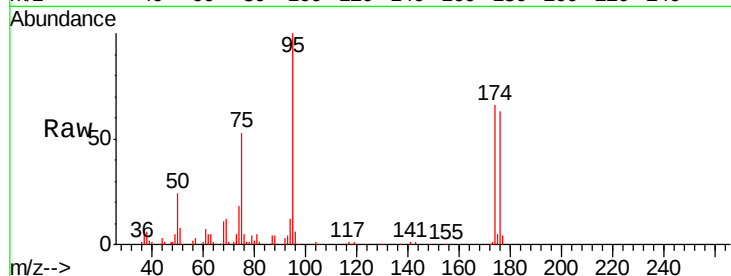
Tgt Ion:173 Resp: 199

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

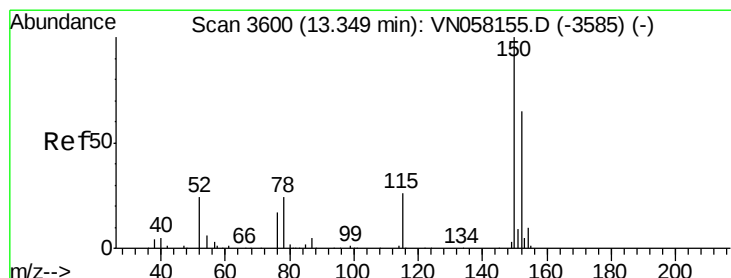
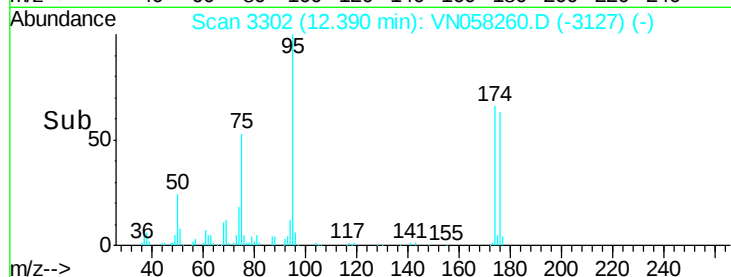
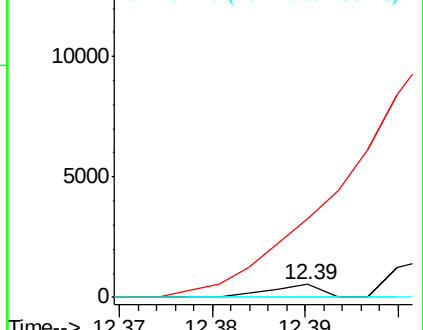
254 0.0 0.1 0.1#



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: VN058260.D

Acq: 20 Sep 2019 18:55

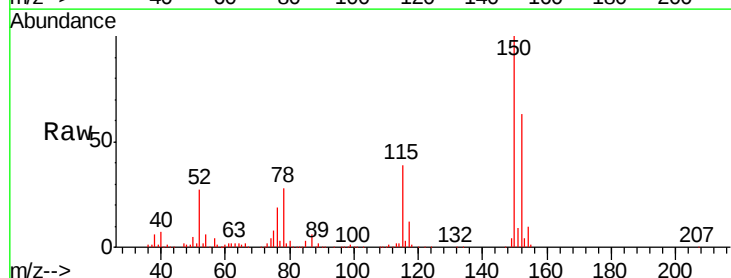
Tgt Ion:152 Resp: 265762

Ion Ratio Lower Upper

152 100

115 60.9 30.1 90.3

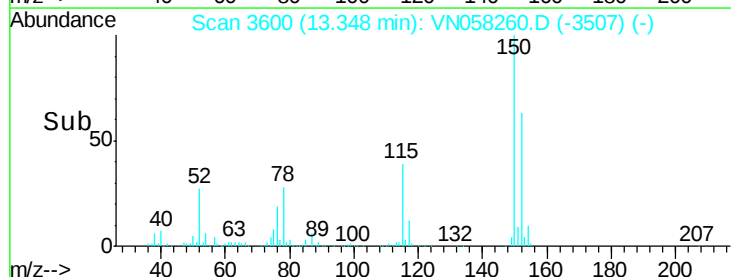
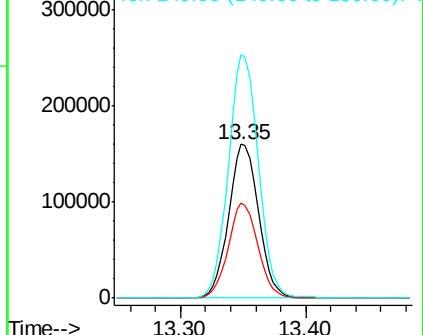
150 159.2 0.0 346.4

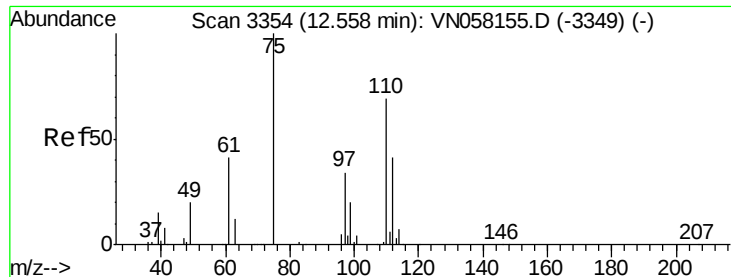


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 36.263 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058260.D

Acq: 20 Sep 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

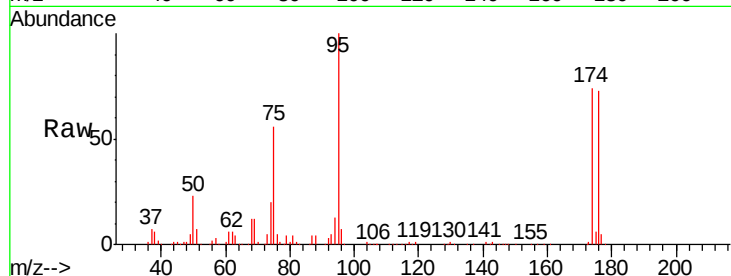
TT101D2-20190917DL

Tgt Ion: 75 Resp: 172477

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

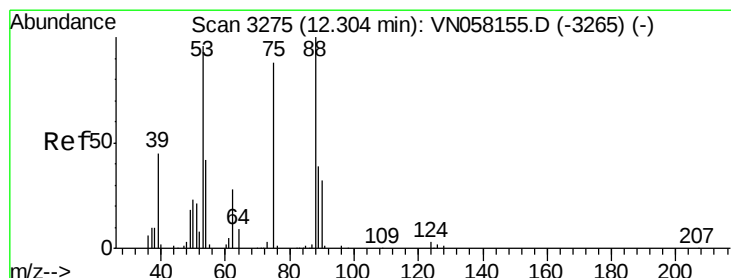
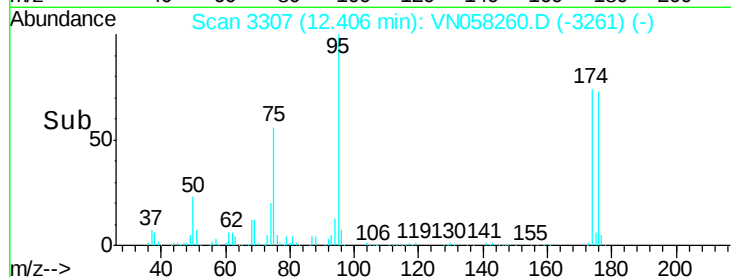
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 101.231 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058260.D

Acq: 20 Sep 2019 18:55

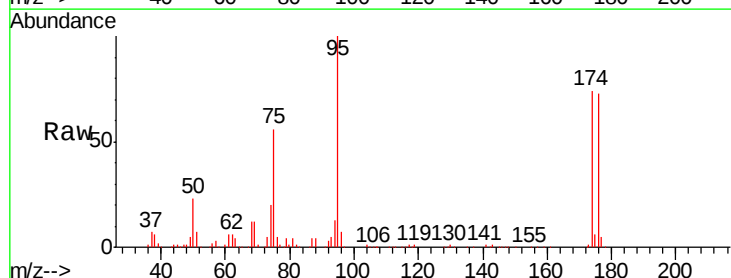
Tgt Ion: 75 Resp: 172477

Ion Ratio Lower Upper

75 100

53 0.1 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

100000

50000

0

Time--> 12.30 12.40 12.50

