

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058271.D
 Acq On : 20 Sep 2019 22:58
 Operator : JC/SP
 Sample : K4975-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 21 05:02:36 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	479983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	781640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	688223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	277835	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	352575	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
35) Dibromofluoromethane	7.57	113	241709	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
50) Toluene-d8	10.09	98	1001527	54.10	ug/l	0.00
Spiked Amount			Recovery	=	108.20%	
62) 4-Bromofluorobenzene	12.41	95	319857	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	1628	0.413	ug/l	93
3) Chloromethane	2.04	50	1860	Below Cal	#	81
5) Bromomethane	2.55	94	404	0.949	ug/l #	64
6) Chloroethane	2.71	64	103	Below Cal	#	44
7) Trichlorofluoromethane	3.00	101	1850	0.344	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	81300	20.952	ug/l	98
11) Tert butyl alcohol	4.77	59	203	0.255	ug/l #	71
12) 1,1-Dichloroethene	3.72	96	43037	14.361	ug/l	96
16) Acetone	3.81	43	9802	4.320	ug/l	91
17) Carbon Disulfide	4.04	76	212	0.322	ug/l #	74
20) Methylene Chloride	4.52	84	215	Below Cal	#	6
21) trans-1,2-Dichloroethene	5.01	96	158	Below Cal	#	44
24) 1,1-Dichloroethane	5.82	63	7559	0.878	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	17618	3.620	ug/l	88
29) Tetrahydrofuran	7.20	42	744	0.391	ug/l #	62
30) Chloroform	7.36	83	5691	0.614	ug/l	94
31) Cyclohexane	7.65	56	11717	Below Cal	#	1
32) 1,1,1-Trichloroethane	7.55	97	1877	0.266	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	43105	7.647	ug/l #	50
38) Carbon Tetrachloride	7.76	117	3532	0.623	ug/l	86
39) Methylcyclohexane	8.82	83	64860	11.955	ug/l #	1
41) Methacrylonitrile	7.18	41	581	1.105	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	2291	0.317	ug/l	86
43) Isopropyl Acetate	8.22	43	6175	0.565	ug/l #	57
44) Trichloroethene	8.82	130	4206085	998.327	ug/l	99
49) 1,4-Dioxane	9.19	88	2135	26.215	ug/l #	76
55) 1,1,2-Trichloroethane	10.56	97	4160	0.869	ug/l #	82
60) Dibromochloromethane	10.63	129	19102	4.147	ug/l #	11
64) Tetrachloroethene	10.63	164	19060	5.681	ug/l	96
71) Bromoform	12.40	173	450	3.723	ug/l #	29
76) 1,2,3-Trichloropropane	12.41	75	177348	35.667	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	177348	99.662	ug/l #	5

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QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

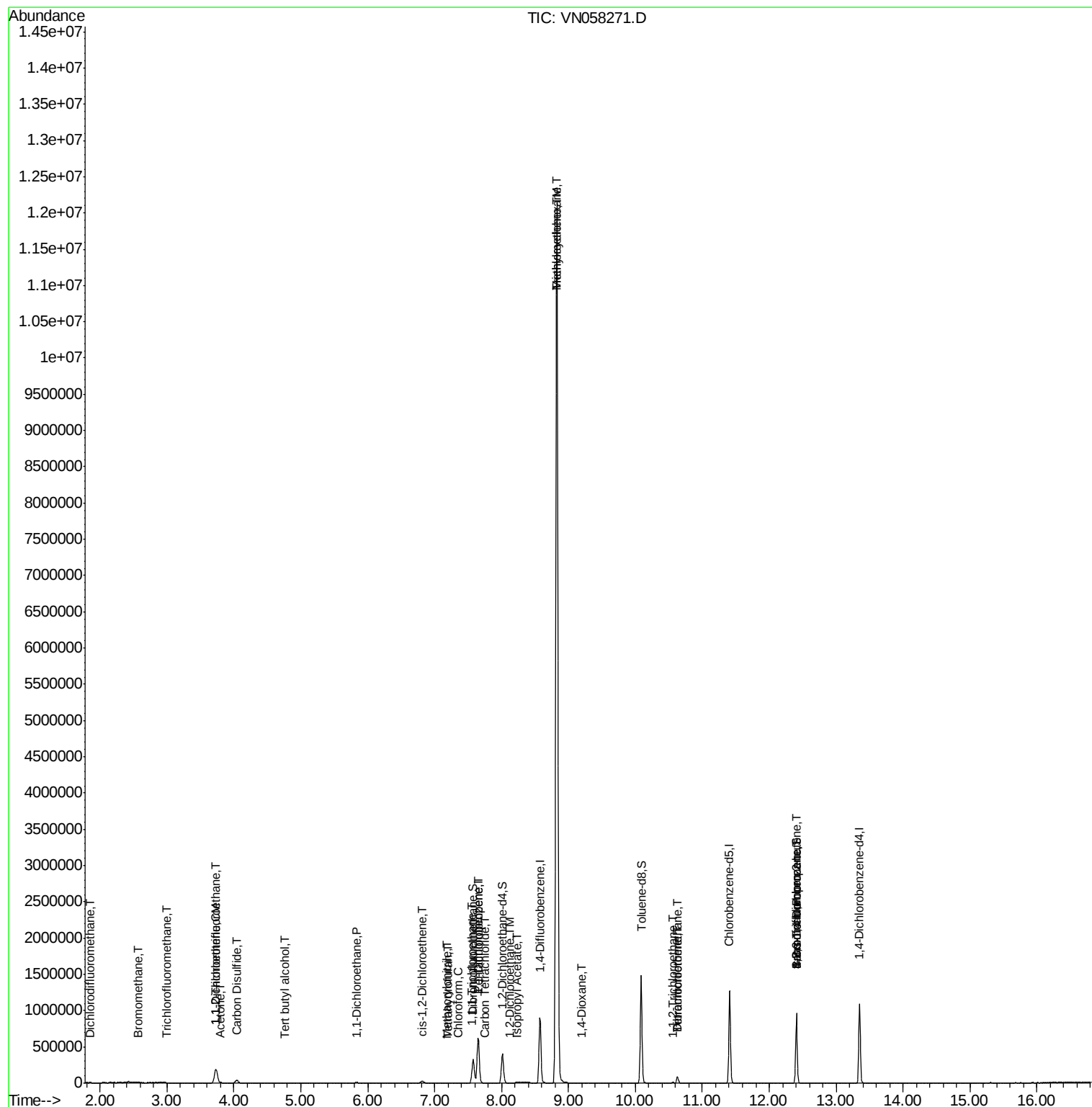
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

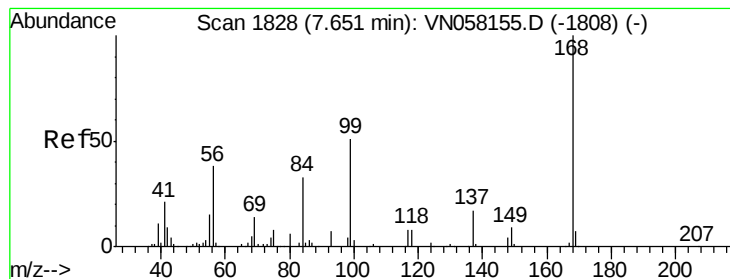
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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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: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :

MSVOA_N

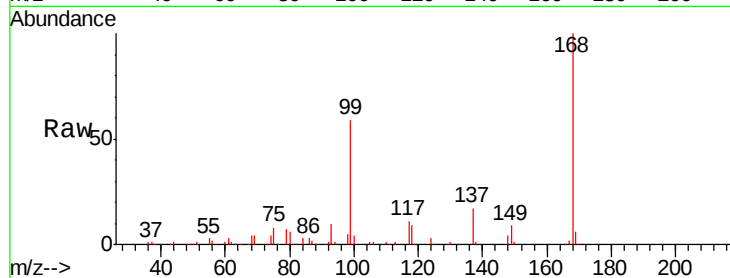
ClientSampled :

Tgt Ion: 168 Resp: 479983

Ion Ratio Lower Upper

168 100

99 59.3 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

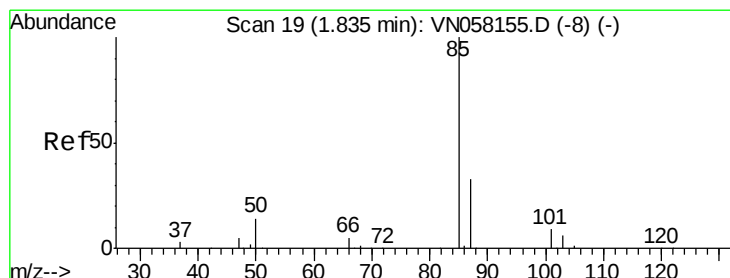
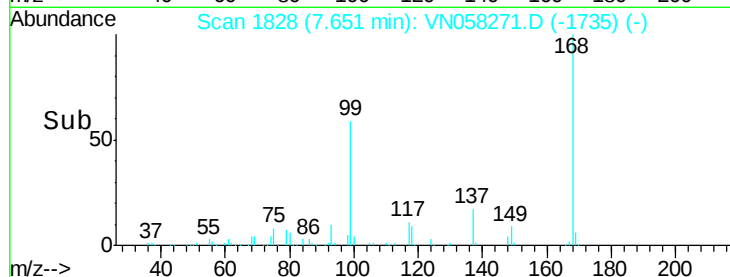
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.413 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058271.D

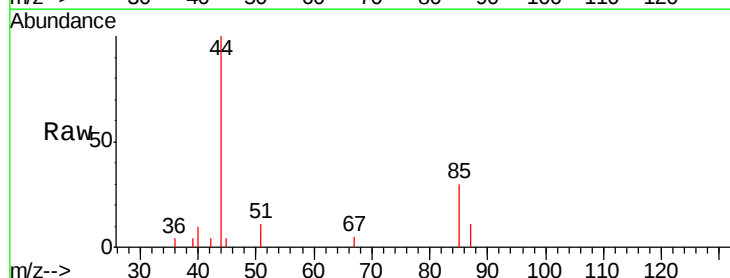
Acq: 20 Sep 2019 22:58

Tgt Ion: 85 Resp: 1628

Ion Ratio Lower Upper

85 100

87 36.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

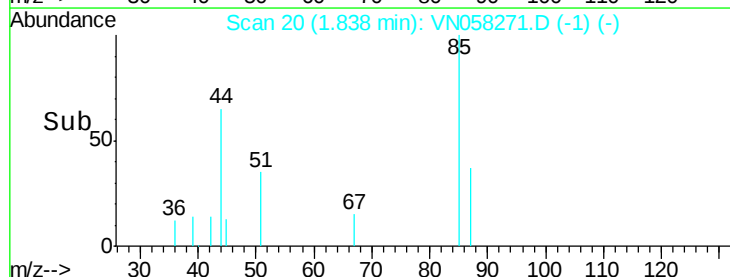
1.84

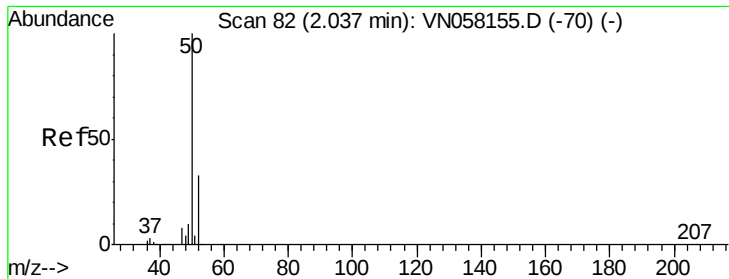
1000

500

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :

MSVOA_N

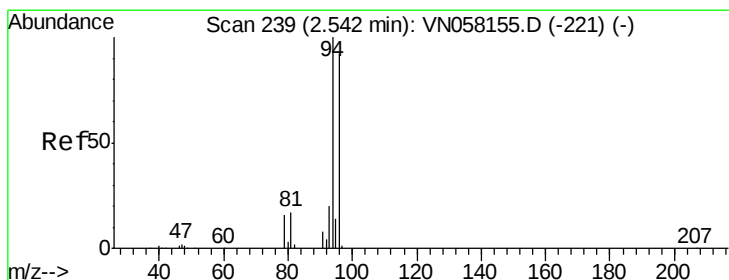
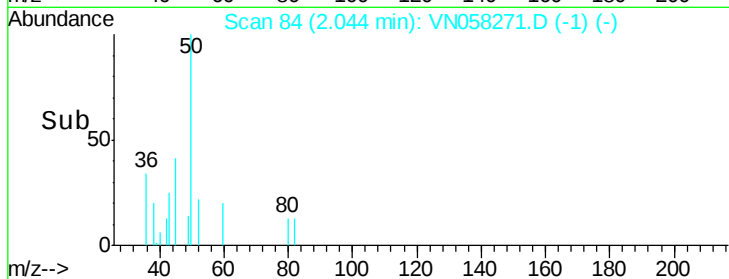
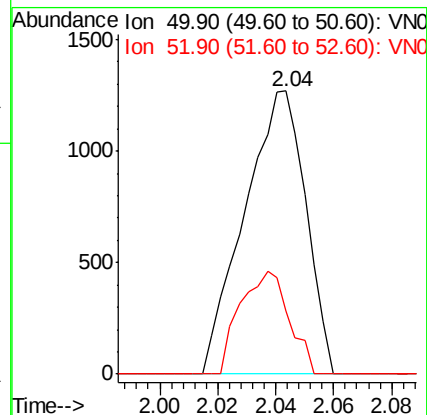
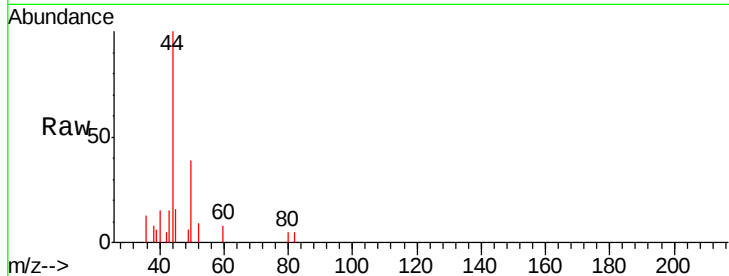
ClientSampled :

Tgt Ion: 50 Resp: 1860

Ion Ratio Lower Upper

50 100

52 22.4 26.3 39.5#



#5

Bromomethane

Concen: 0.949 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN058271.D

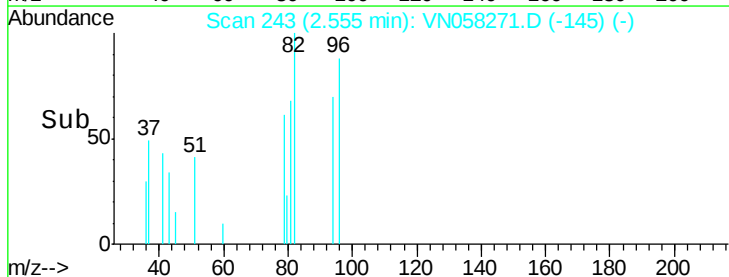
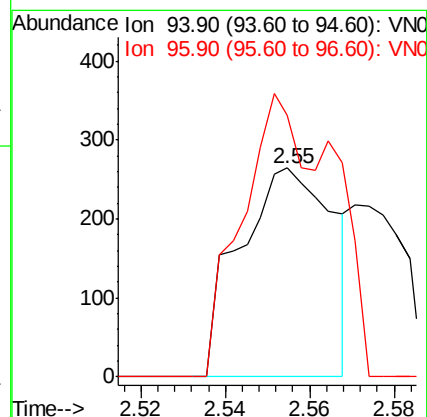
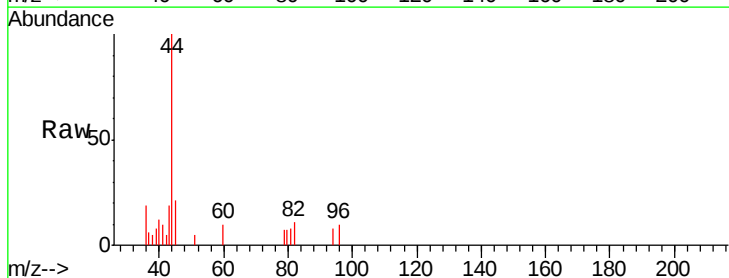
Acq: 20 Sep 2019 22:58

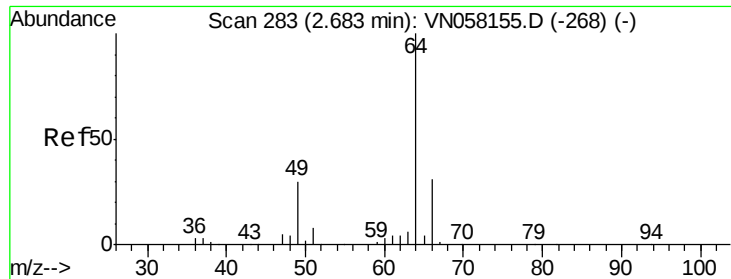
Tgt Ion: 94 Resp: 404

Ion Ratio Lower Upper

94 100

96 125.4 73.3 109.9#





#6

Chloroethane

Concen: Below Cal

RT: 2.71 min Scan# 290

Delta R.T. 0.02 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :

MSVOA_N

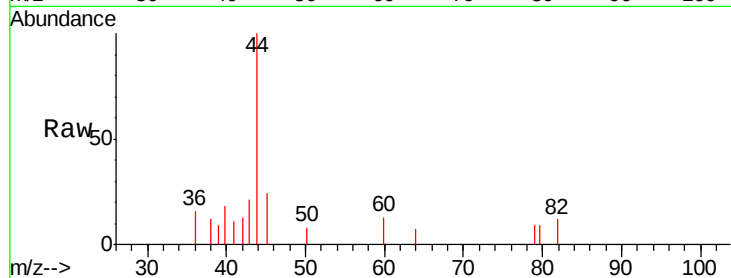
ClientSampled :

Tgt Ion: 64 Resp: 103

Ion Ratio Lower Upper

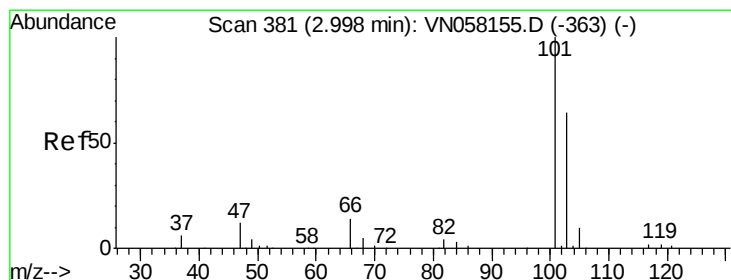
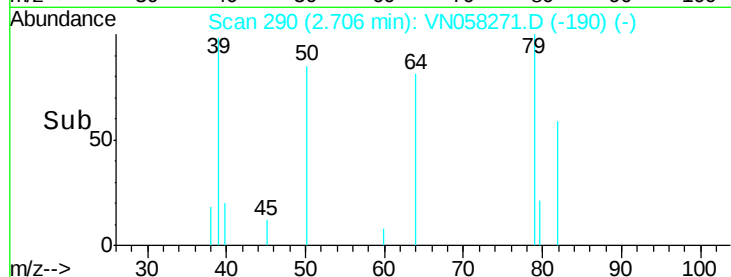
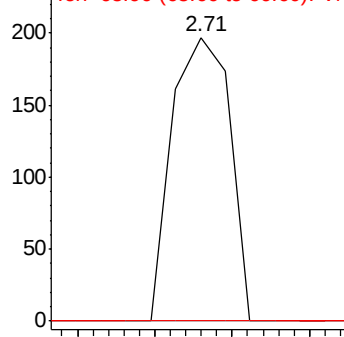
64 100

66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#7

Trichlorofluoromethane

Concen: 0.344 ug/l

RT: 3.00 min Scan# 383

Delta R.T. 0.01 min

Lab File: VN058271.D

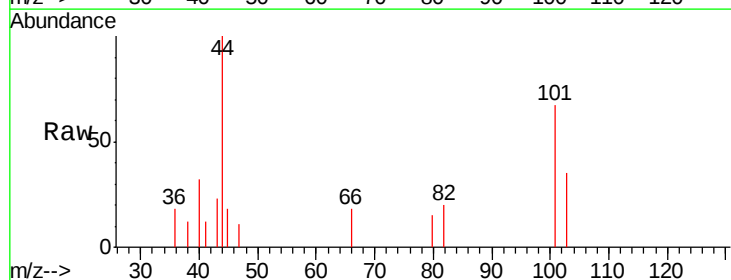
Acq: 20 Sep 2019 22:58

Tgt Ion: 101 Resp: 1850

Ion Ratio Lower Upper

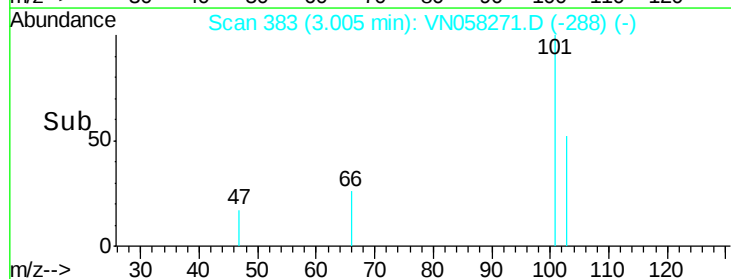
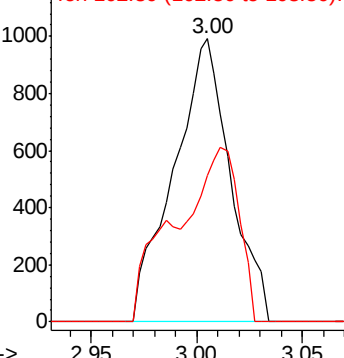
101 100

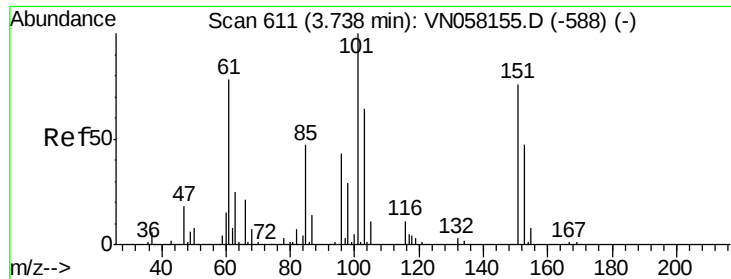
103 51.6 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.952 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :

MSVOA_N

ClientSampled :

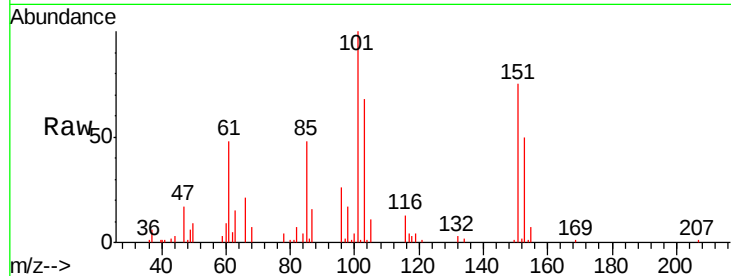
Tgt Ion: 101 Resp: 81300

Ion Ratio Lower Upper

101 100

85 47.2 37.3 55.9

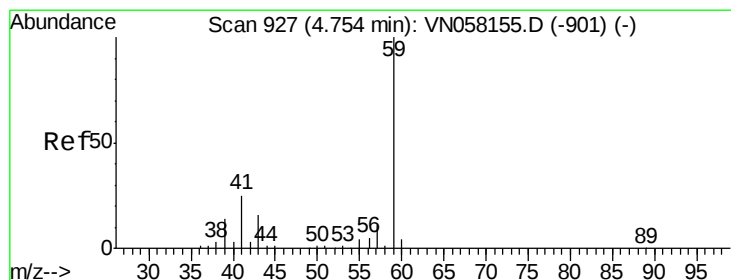
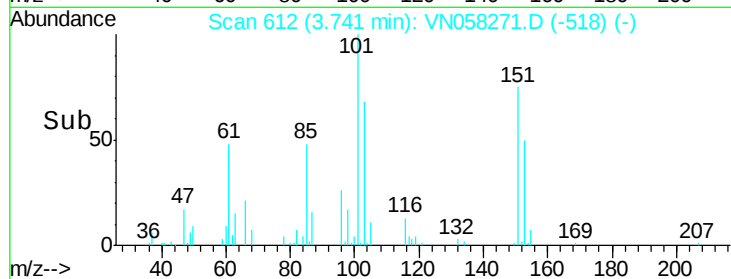
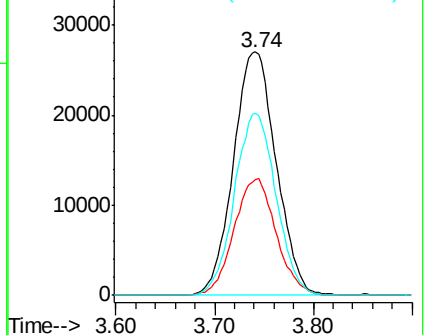
151 72.6 59.6 89.4



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



#11

Tert butyl alcohol

Concen: 0.255 ug/l

RT: 4.77 min Scan# 931

Delta R.T. 0.01 min

Lab File: VN058271.D

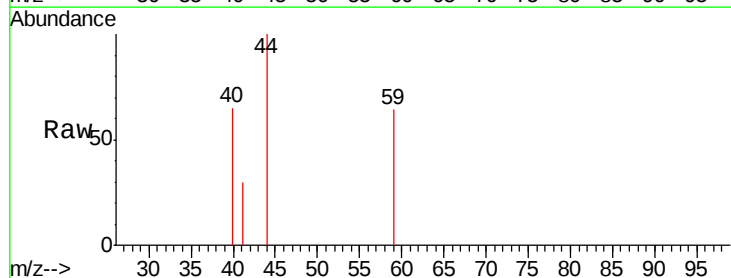
Acq: 20 Sep 2019 22:58

Tgt Ion: 59 Resp: 203

Ion Ratio Lower Upper

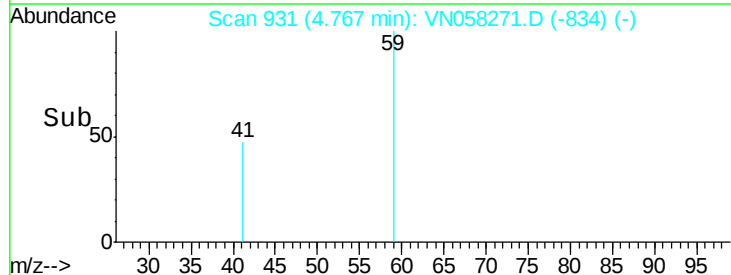
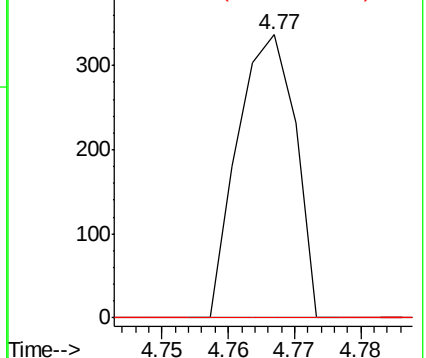
59 100

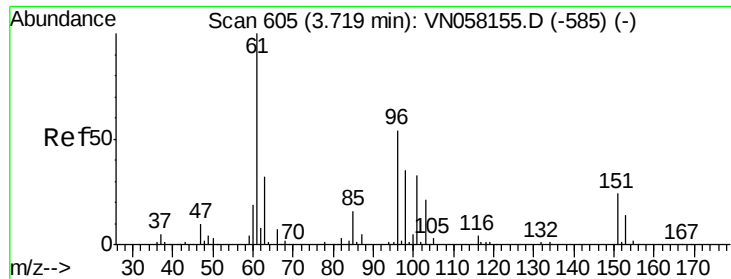
57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#12

1,1-Dichloroethene

Concen: 14.361 ug/l

RT: 3.72 min Scan# 605

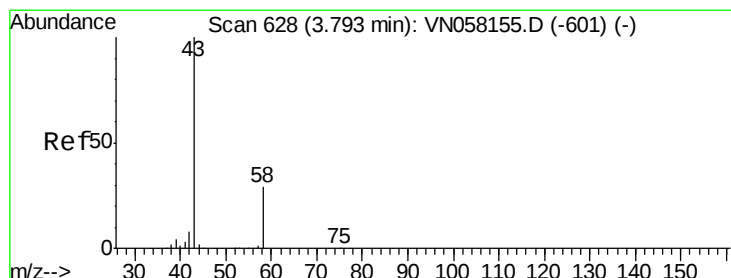
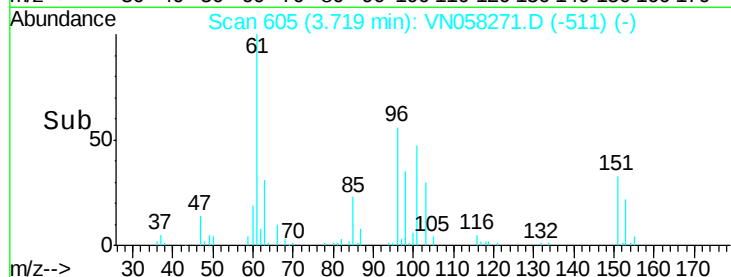
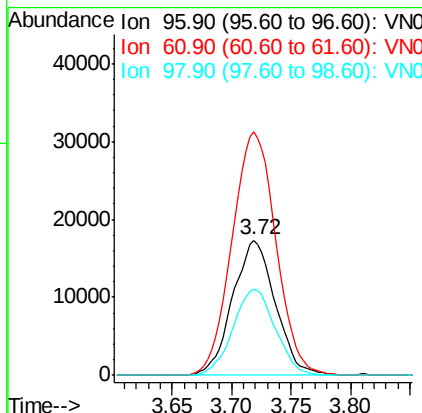
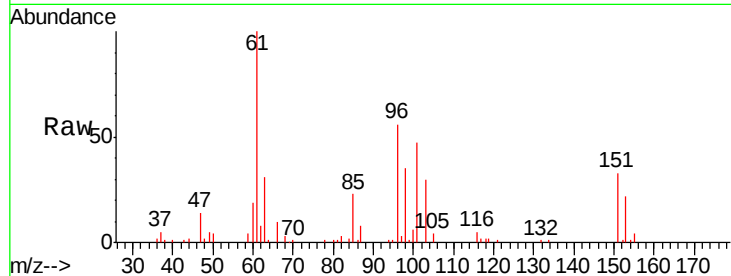
Delta R.T. 0.00 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	96	Resp:	43037
Ion	Ratio	Lower	Upper
96	100		
61	180.0	149.5	224.3
98	63.3	52.4	78.6



#16

Acetone

Concen: 4.320 ug/l

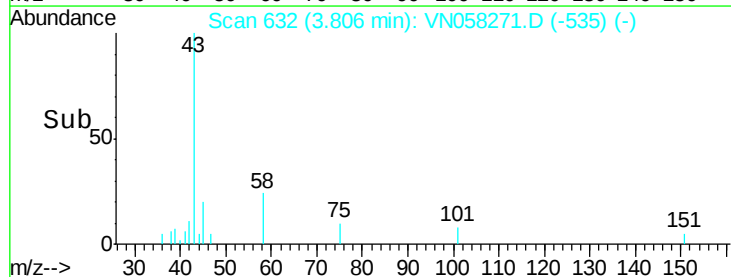
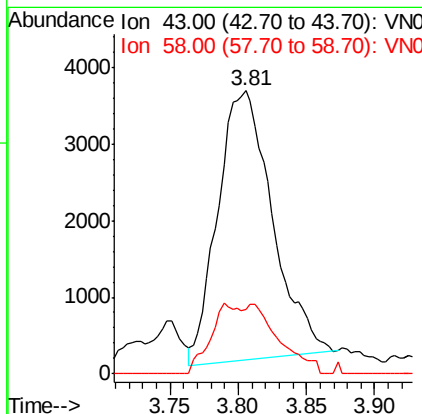
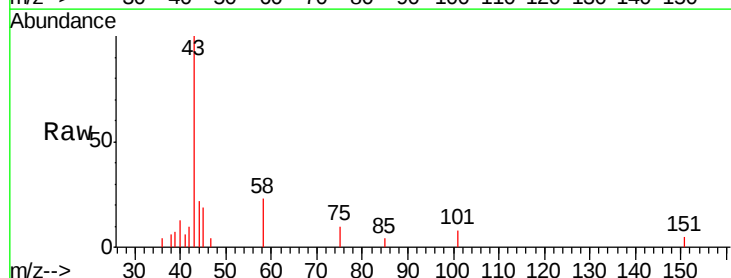
RT: 3.81 min Scan# 632

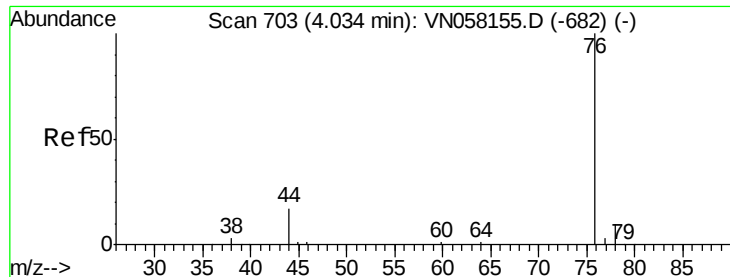
Delta R.T. 0.01 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Tgt Ion:	43	Resp:	9802
Ion	Ratio	Lower	Upper
43	100		
58	24.6	23.4	35.2





#17

Carbon Disulfide

Concen: 0.322 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :

MSVOA_N

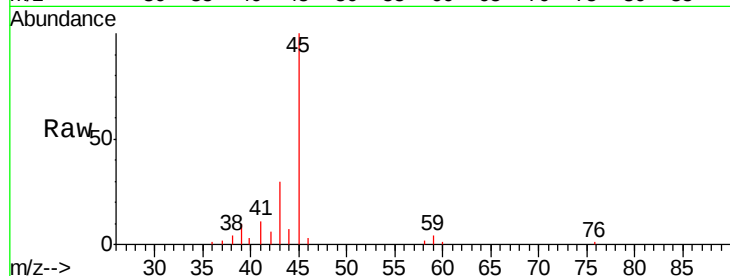
ClientSampled :

Tgt Ion: 76 Resp: 212

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

4.04

200

150

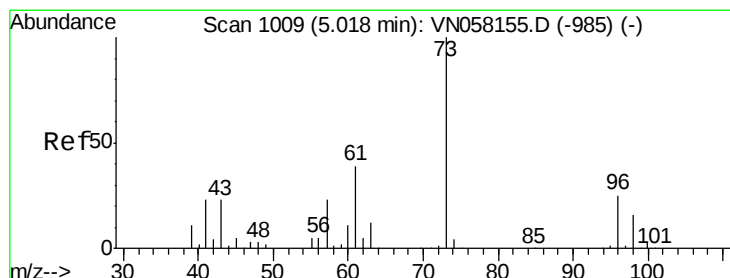
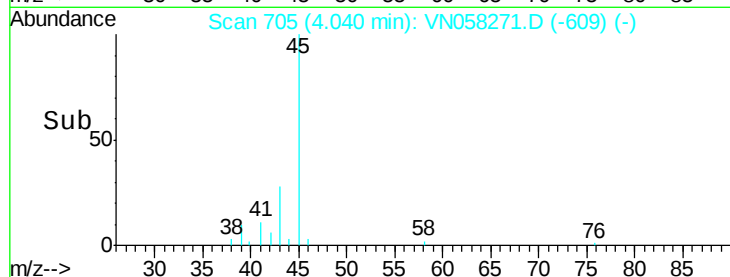
100

50

0

4.02 4.03 4.04 4.05 4.06

Time-->



#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

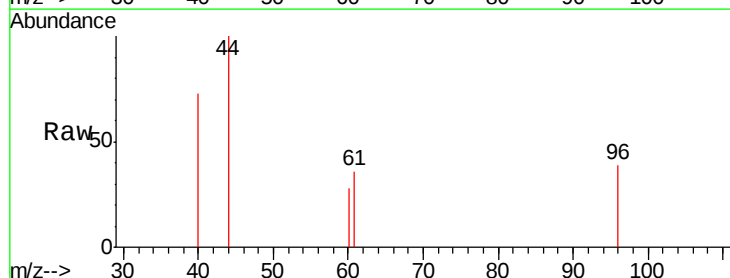
Tgt Ion: 96 Resp: 158

Ion Ratio Lower Upper

96 100

61 93.1 122.2 183.4#

98 0.0 49.9 74.9#



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

400

300

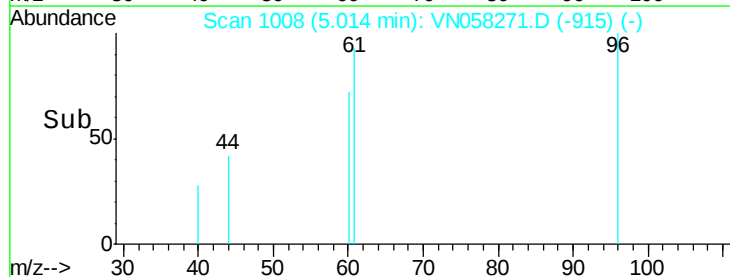
200

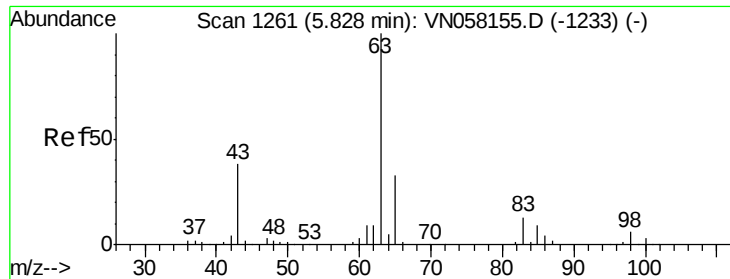
100

0

5.00 5.01 5.02 5.03

Time-->

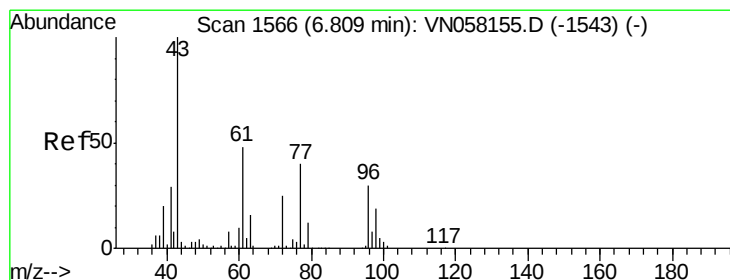
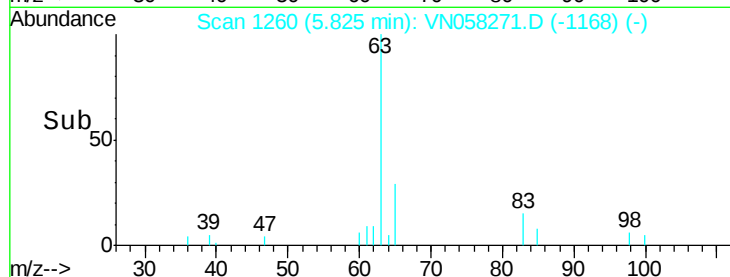
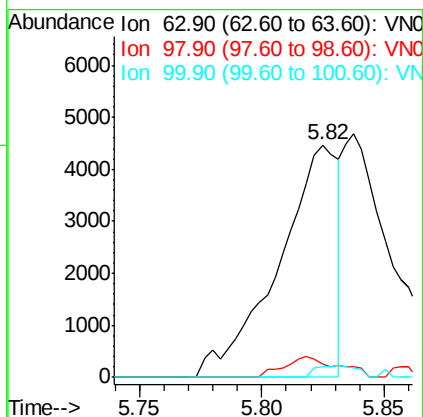
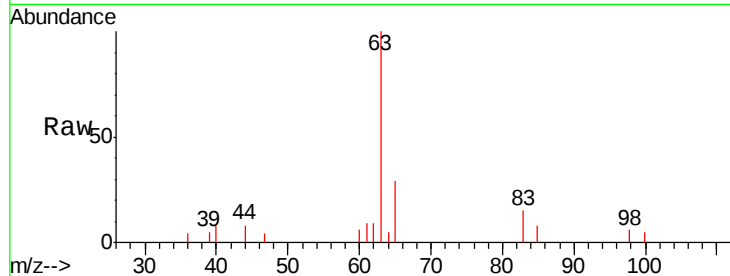




#24
 1,1-Dichloroethane
 Concen: 0.878 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058271.D
 Acq: 20 Sep 2019 22:58

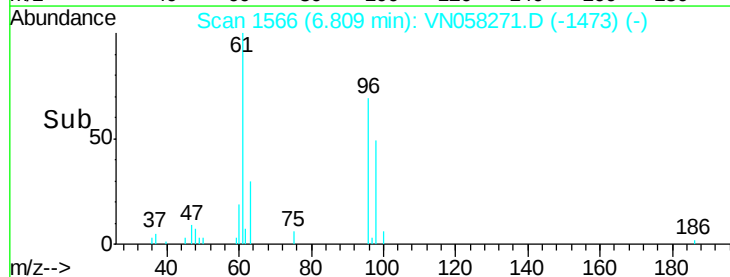
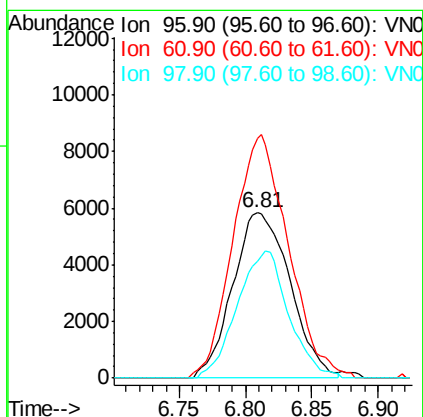
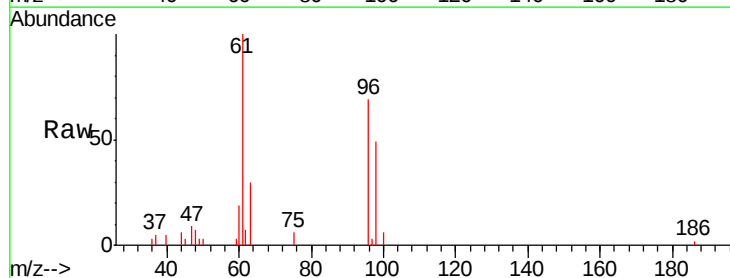
Instrument :
 MSVOA_N
 ClientSampled :

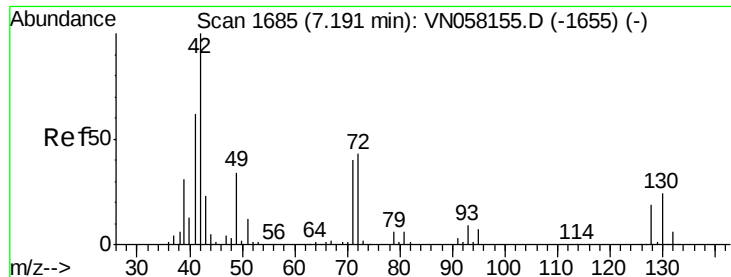
Tgt Ion: 63 Resp: 7559
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.6
 100 4.6 1.8 5.3



#27
 cis-1,2-Dichloroethene
 Concen: 3.620 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058271.D
 Acq: 20 Sep 2019 22:58

Tgt Ion: 96 Resp: 17618
 Ion Ratio Lower Upper
 96 100
 61 141.4 0.0 319.0
 98 68.7 0.0 126.6

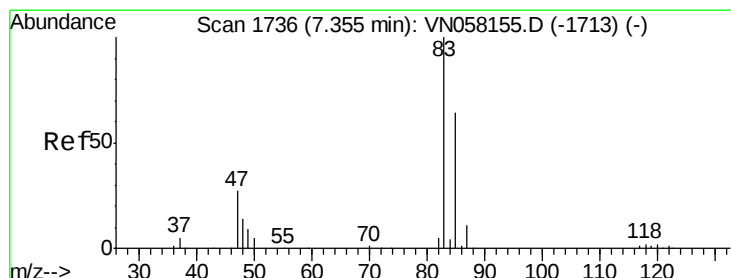
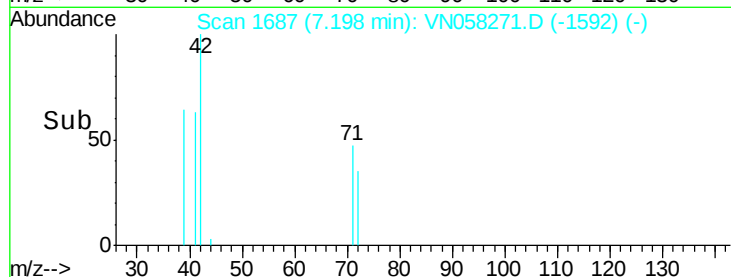
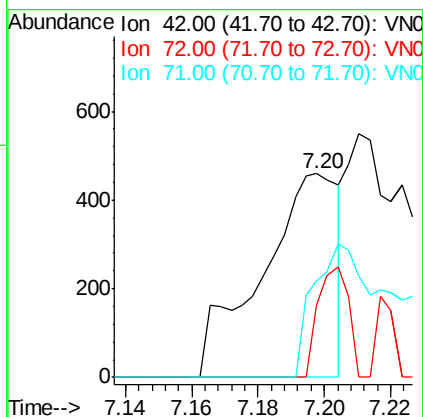
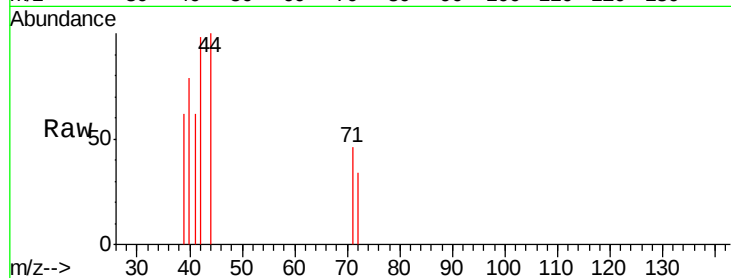




#29
Tetrahydrofuran
Concen: 0.391 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058271.D
Acq: 20 Sep 2019 22:58

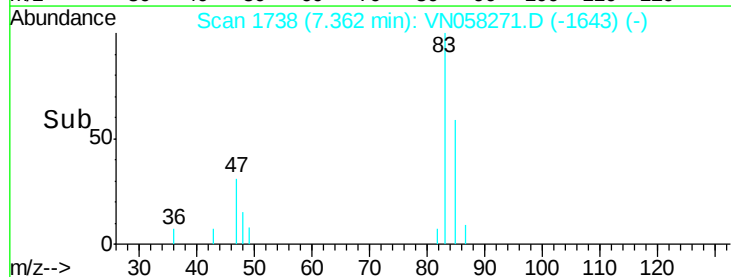
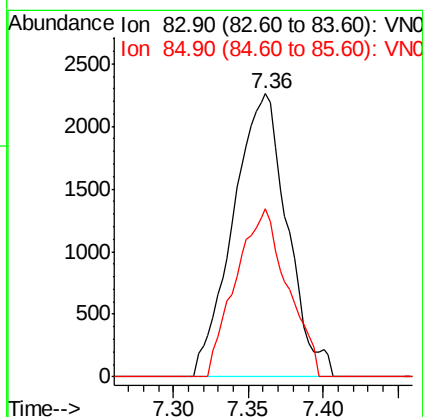
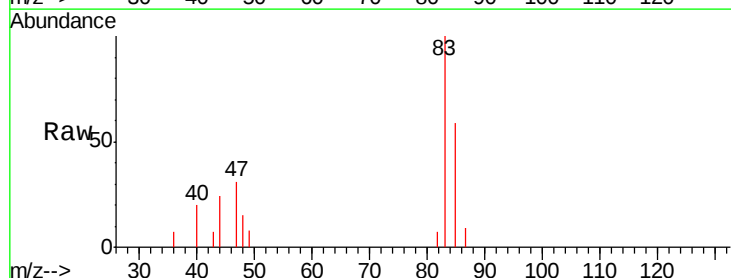
Instrument :
MSVOA_N
ClientSampled :

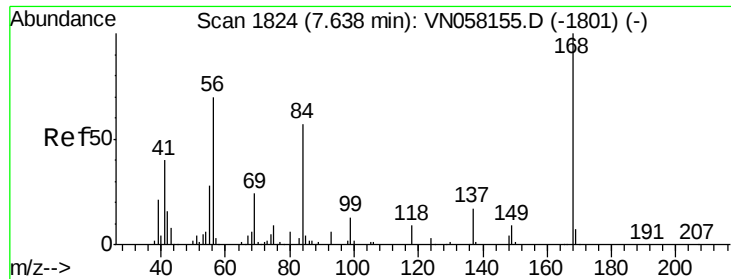
Tgt Ion: 42 Resp: 744
Ion Ratio Lower Upper
42 100
72 21.4 33.8 50.6#
71 66.3 31.4 47.0#



#30
Chloroform
Concen: 0.614 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VN058271.D
Acq: 20 Sep 2019 22:58

Tgt Ion: 83 Resp: 5691
Ion Ratio Lower Upper
83 100
85 59.4 51.4 77.2

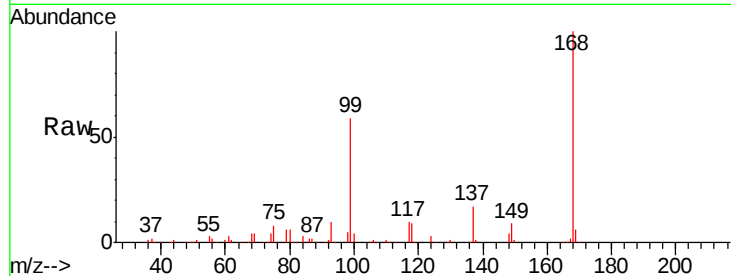




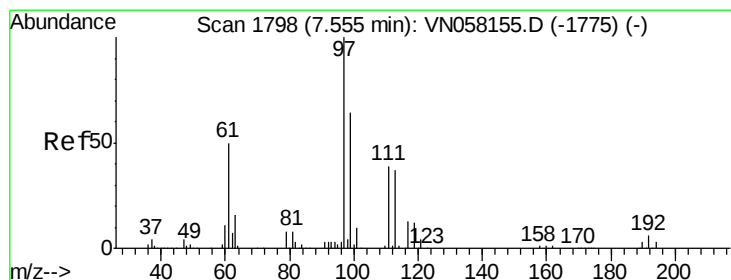
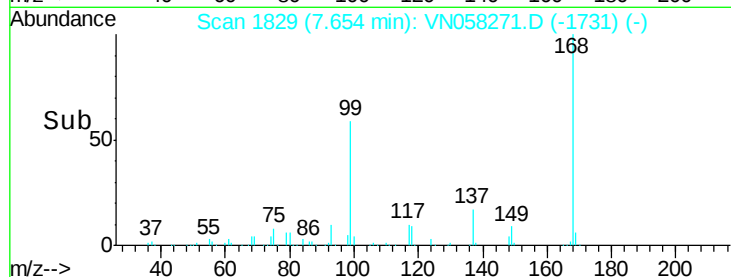
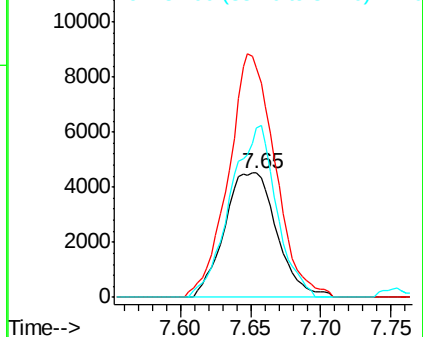
#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1829
Delta R.T. 0.02 min
Lab File: VN058271.D
Acq: 20 Sep 2019 22:58

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 56 Resp: 11717
Ion Ratio Lower Upper
56 100
69 185.0 27.3 40.9#
84 136.3 65.0 97.4#

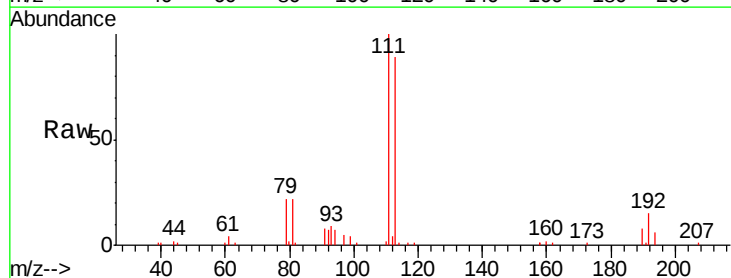


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

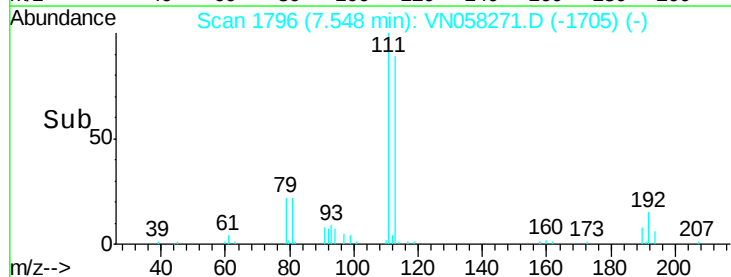
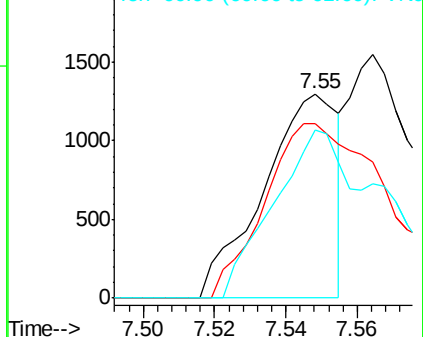


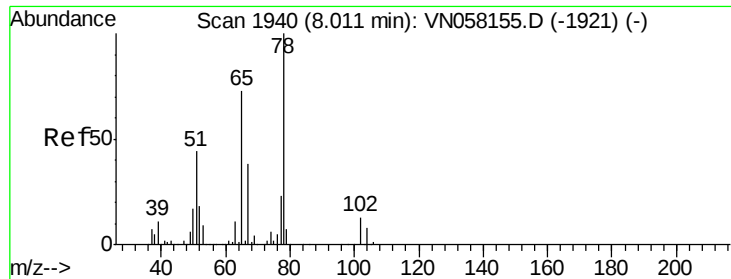
#32
1,1,1-Trichloroethane
Concen: 0.266 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.01 min
Lab File: VN058271.D
Acq: 20 Sep 2019 22:58

Tgt Ion: 97 Resp: 1877
Ion Ratio Lower Upper
97 100
99 0.0 50.9 76.3#
61 131.6 39.2 58.8#



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

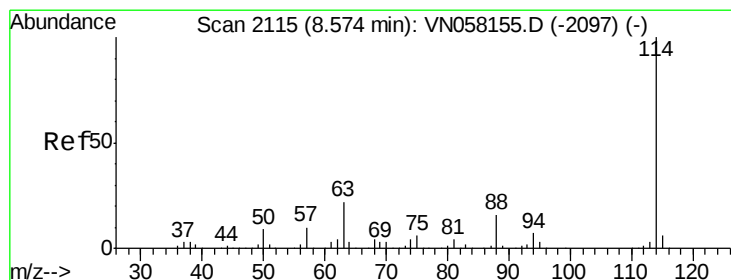
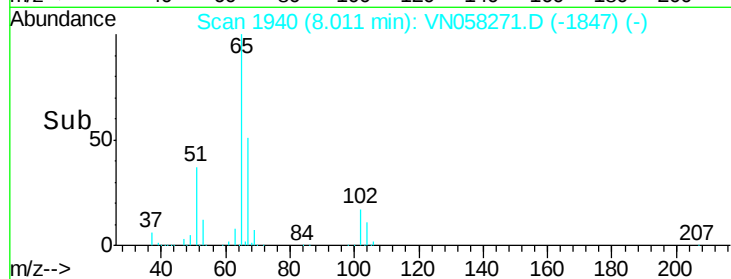
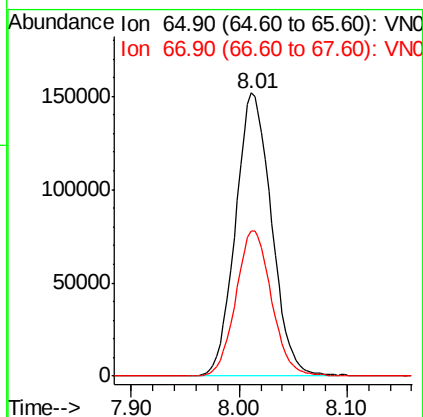
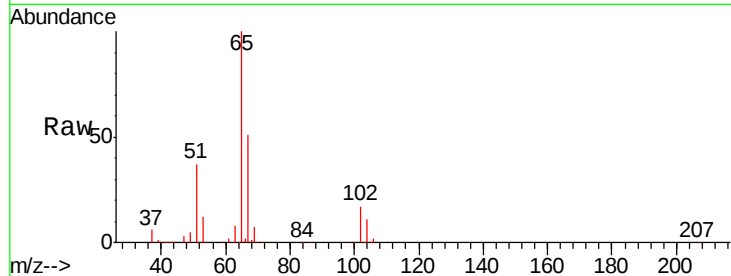




#33
 1,2-Dichloroethane-d4
 Concen: 52.740 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058271.D
 Acq: 20 Sep 2019 22:58

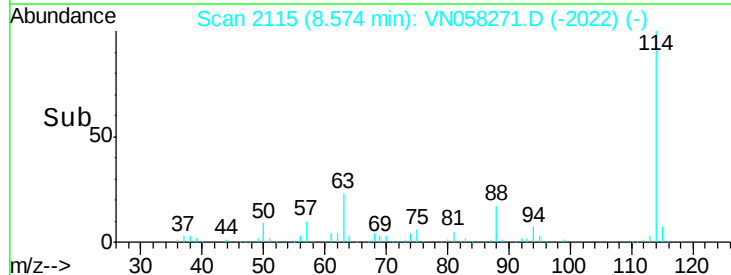
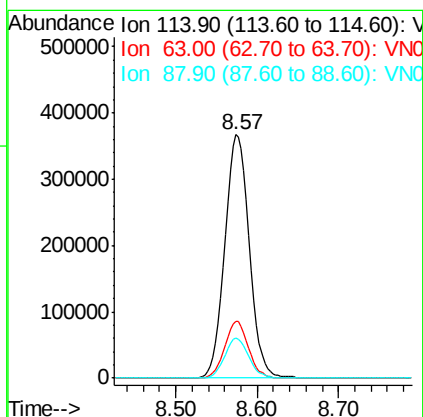
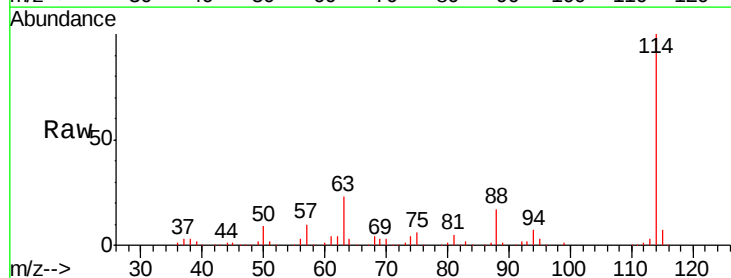
Instrument :
 MSVOA_N
 ClientSampleId :

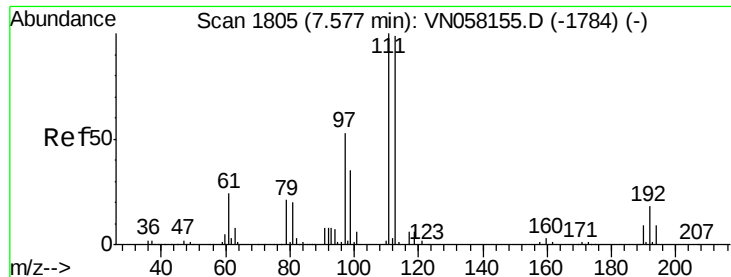
Tgt Ion: 65 Resp: 352575
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058271.D
 Acq: 20 Sep 2019 22:58

Tgt Ion: 114 Resp: 781640
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 44.2
 88 16.6 0.0 31.6

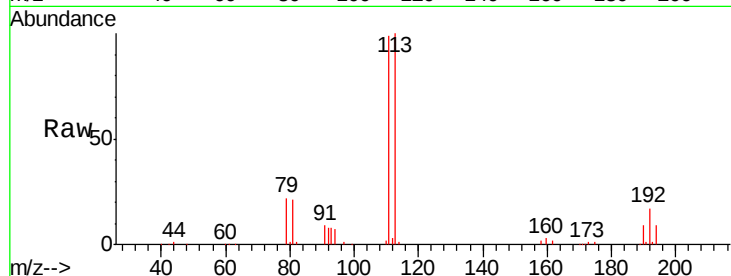




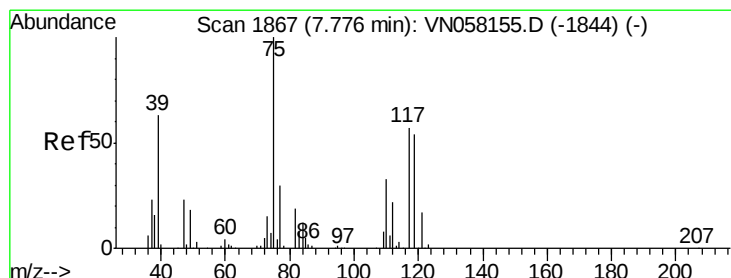
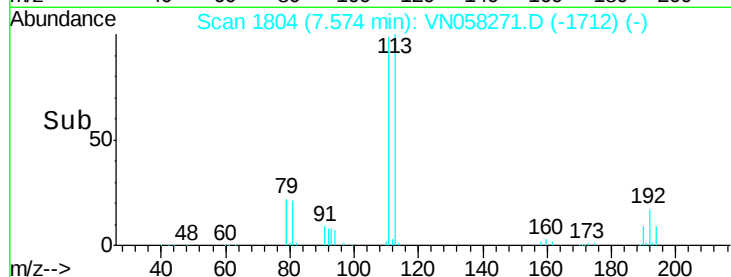
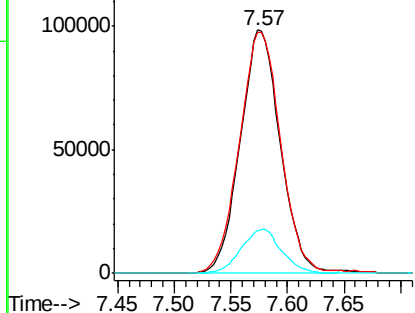
#35
 Dibromofluoromethane
 Concen: 50.868 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058271.D
 Acq: 20 Sep 2019 22:58

Instrument :
 MSVOA_N
 ClientSampled :

Tgt Ion: 113 Resp: 241709
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.8 122.6
 192 18.3 14.5 21.7

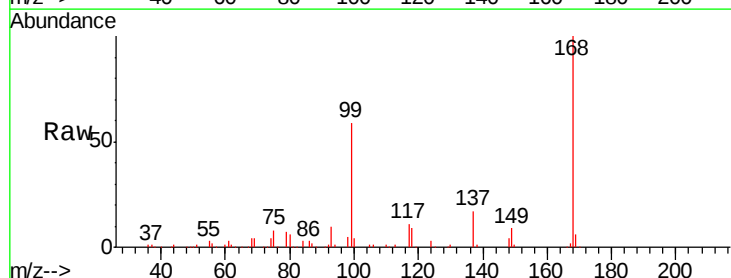


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

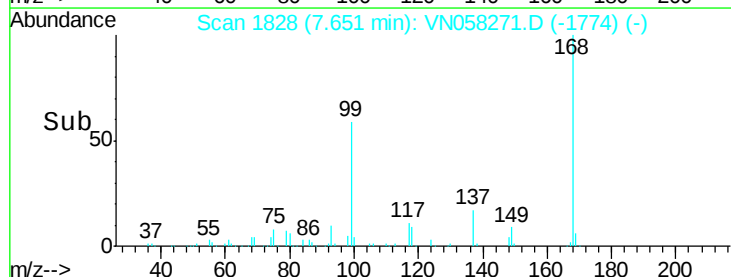
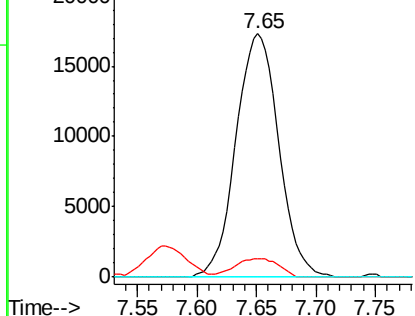


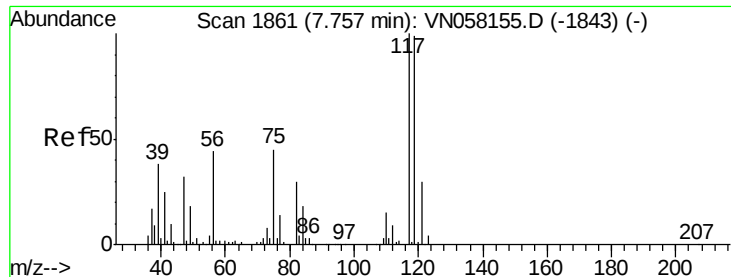
#36
 1,1-Dichloropropene
 Concen: 7.647 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058271.D
 Acq: 20 Sep 2019 22:58

Tgt Ion: 75 Resp: 43105
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.6 49.7#
 77 0.0 24.3 36.5#



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





#38

Carbon Tetrachloride

Concen: 0.623 ug/l

RT: 7.76 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :
MSVOA_N
ClientSampled :

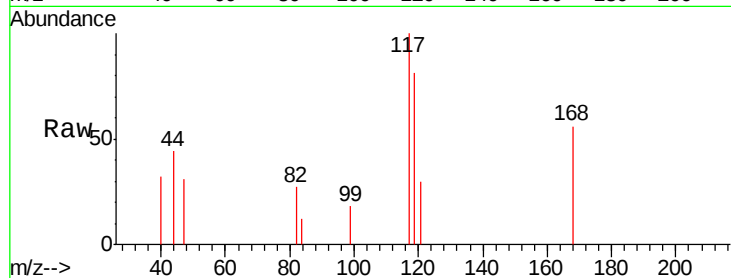
Tgt Ion:117 Resp: 3532

Ion Ratio Lower Upper

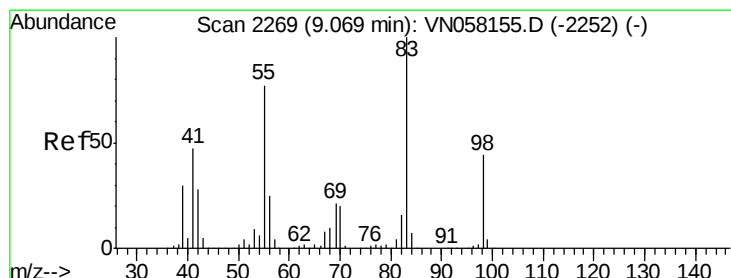
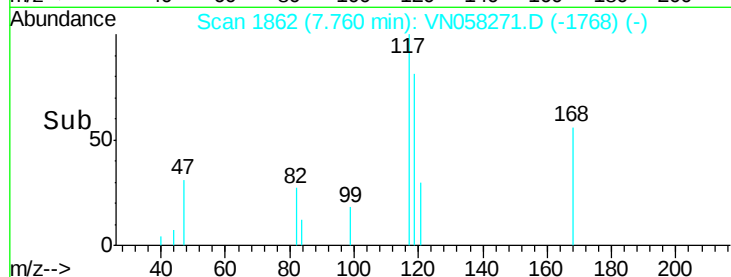
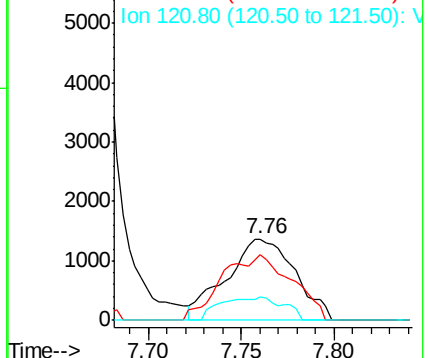
117 100

119 80.8 78.6 117.8

121 29.5 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



#39

Methylcyclohexane

Concen: 11.955 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.24 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

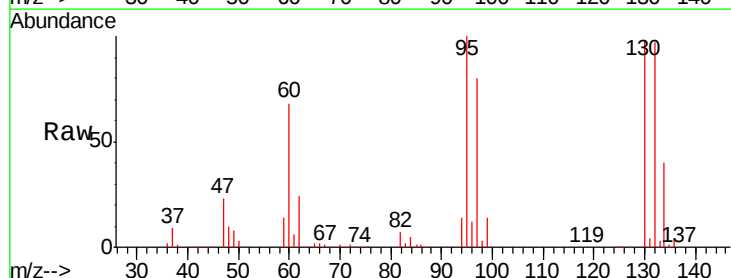
Tgt Ion: 83 Resp: 64860

Ion Ratio Lower Upper

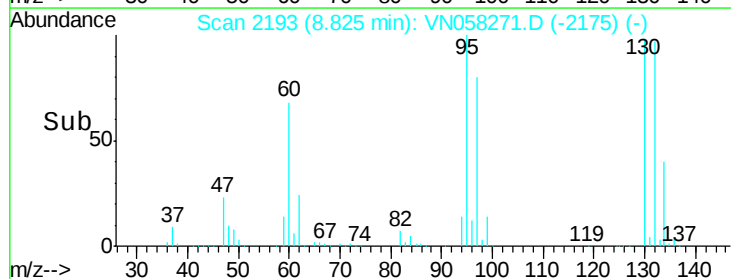
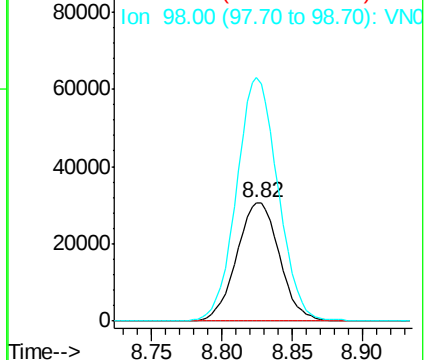
83 100

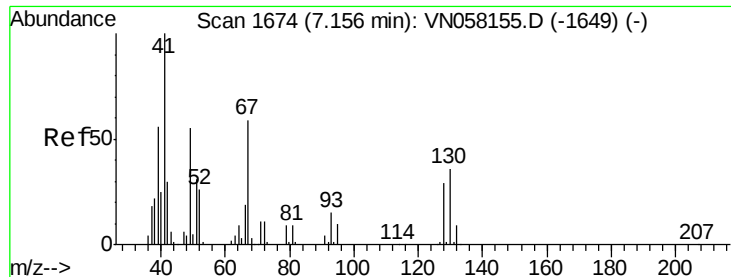
55 0.0 61.9 92.9#

98 204.9 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: 1.105 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.03 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :

MSVOA_N

ClientSampled :

Tgt Ion: 41 Resp: 581

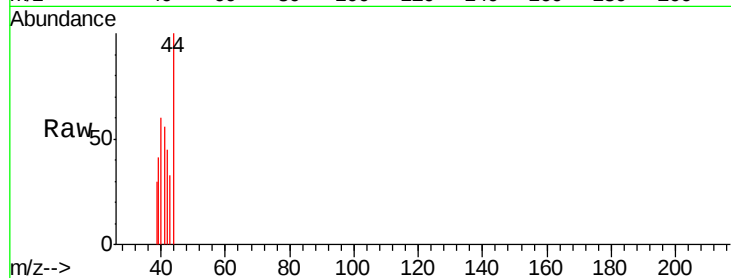
Ion Ratio Lower Upper

41 100

39 80.9 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

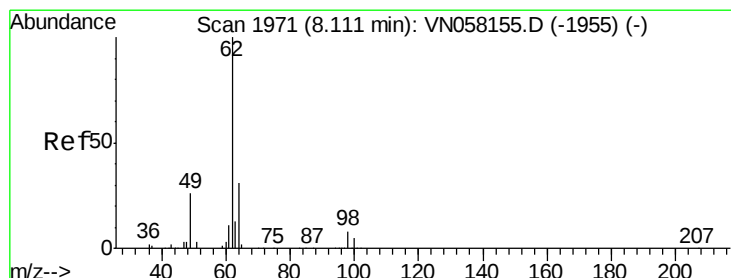
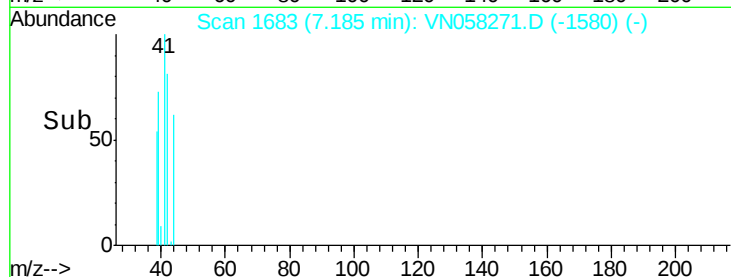
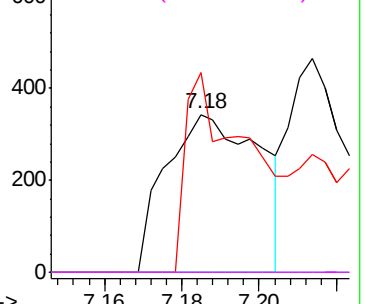


Abundance Ion 41.00 (40.70 to 41.70): VN0

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: 0.317 ug/l

RT: 8.12 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VN058271.D

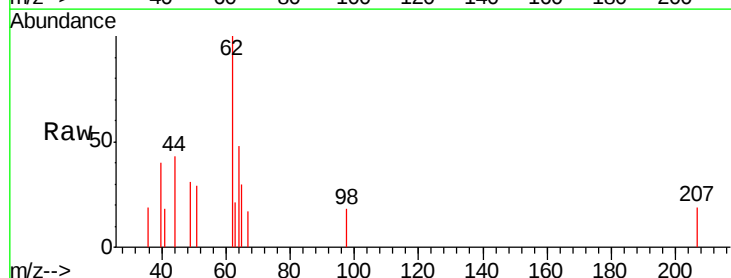
Acq: 20 Sep 2019 22:58

Tgt Ion: 62 Resp: 2291

Ion Ratio Lower Upper

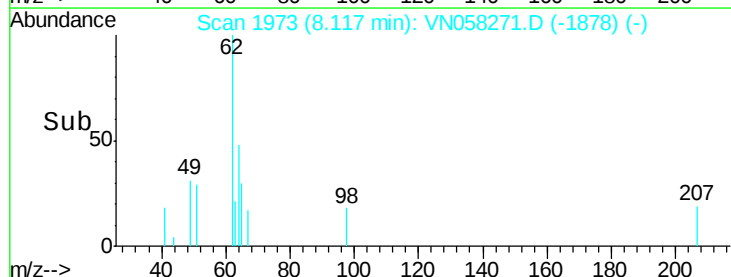
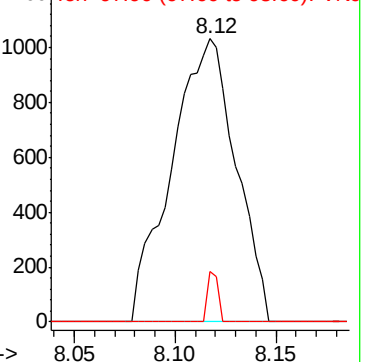
62 100

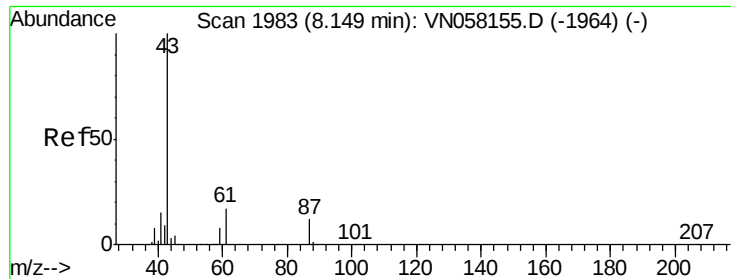
98 2.9 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

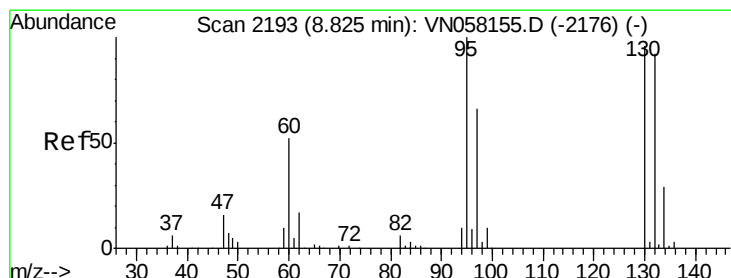
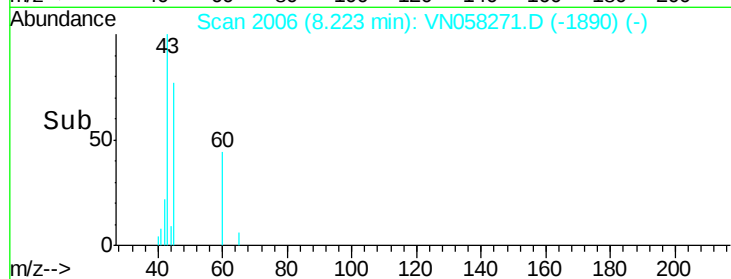
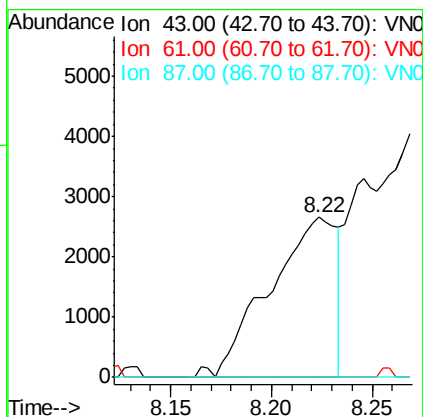
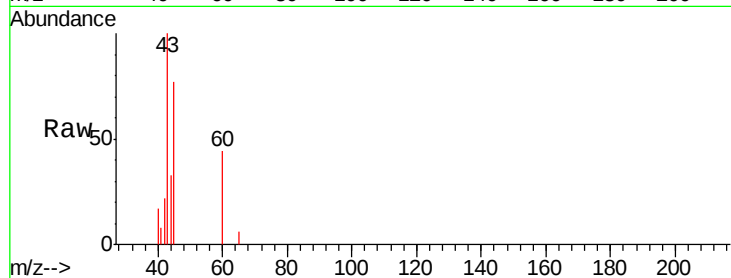




#43
Isopropyl Acetate
Concen: 0.565 ug/l
RT: 8.22 min Scan# 2006
Delta R.T. 0.07 min
Lab File: VN058271.D
Acq: 20 Sep 2019 22:58

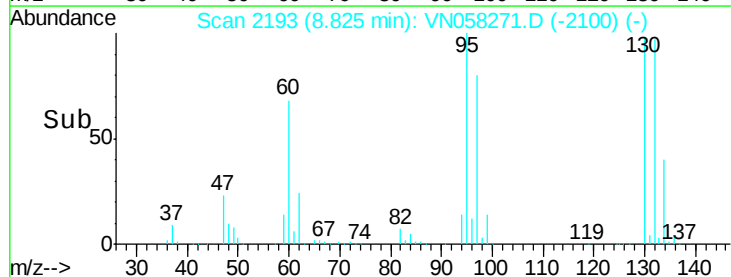
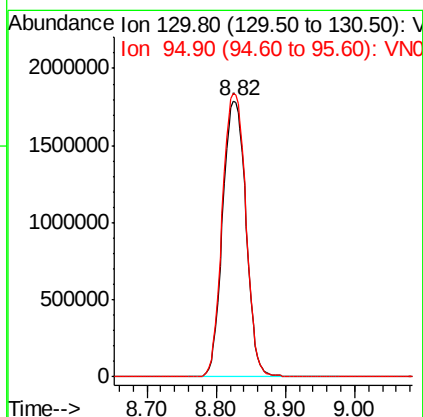
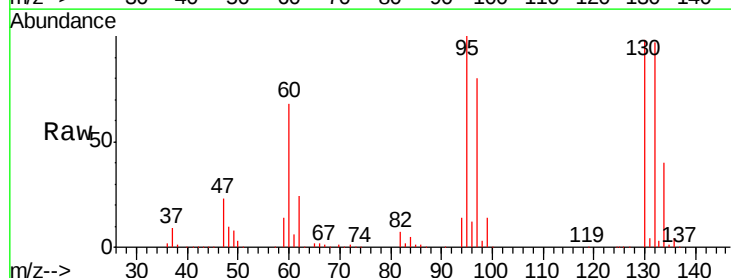
Instrument :
MSVOA_N
ClientSampled :

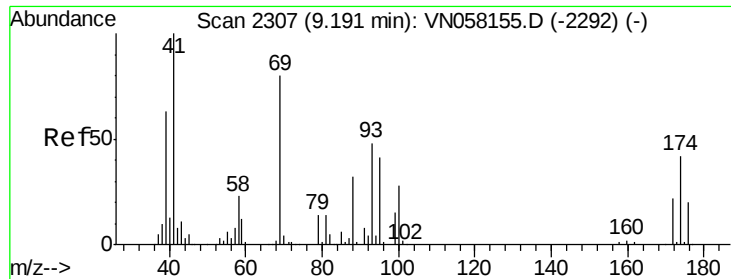
Tgt Ion: 43 Resp: 6175
Ion Ratio Lower Upper
43 100
61 0.0 19.7 29.5#
87 0.0 9.4 14.2#



#44
Trichloroethene
Concen: 998.327 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058271.D
Acq: 20 Sep 2019 22:58

Tgt Ion: 130 Resp: 4206085
Ion Ratio Lower Upper
130 100
95 102.5 0.0 207.8

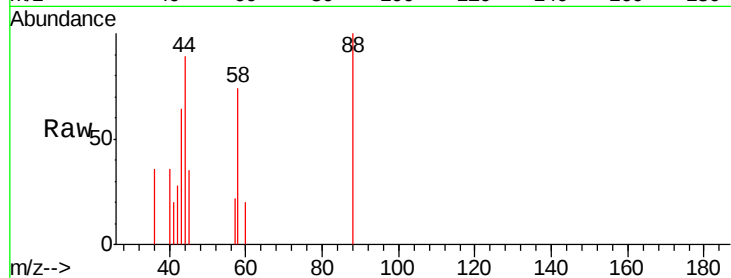




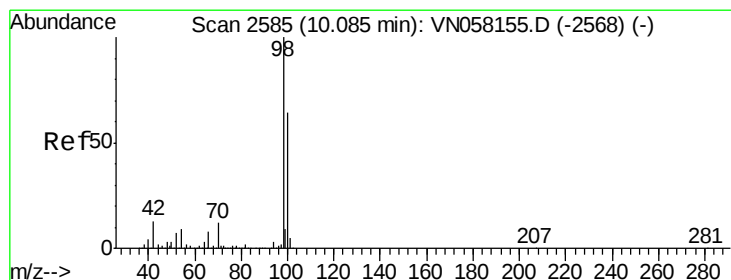
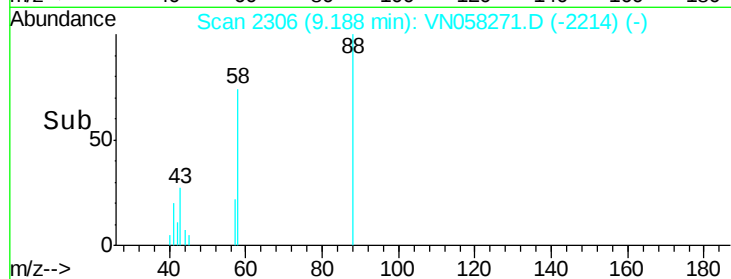
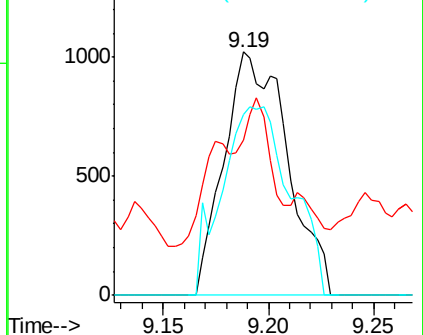
#49
 1,4-Dioxane
 Concen: 26.215 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058271.D
 Acq: 20 Sep 2019 22:58

Instrument :
 MSVOA_N
 ClientSampled :

Tgt Ion: 88 Resp: 2135
 Ion Ratio Lower Upper
 88 100
 43 15.8 27.8 41.8#
 58 84.1 55.0 82.4#

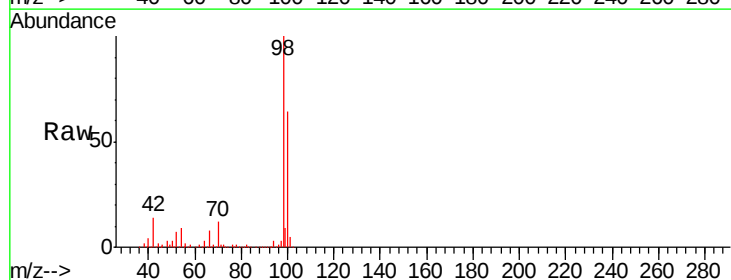


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

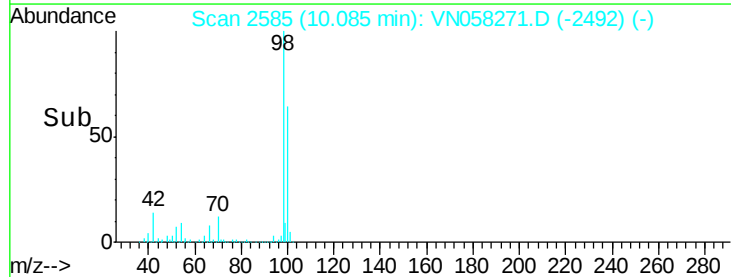
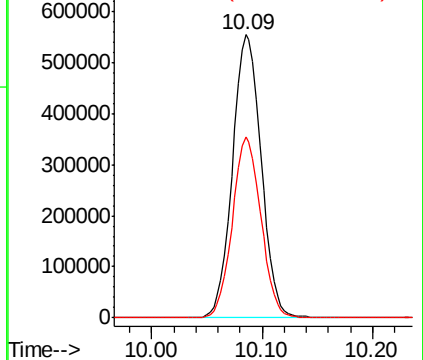


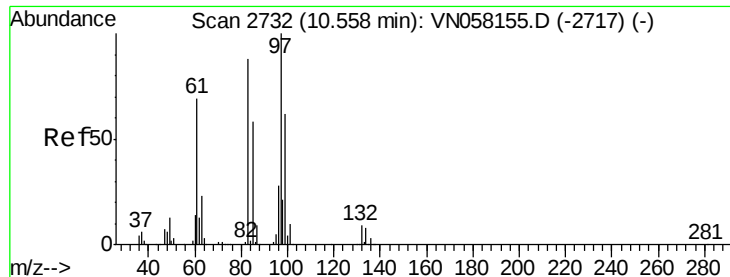
#50
 Toluene-d8
 Concen: 54.097 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058271.D
 Acq: 20 Sep 2019 22:58

Tgt Ion: 98 Resp: 1001527
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

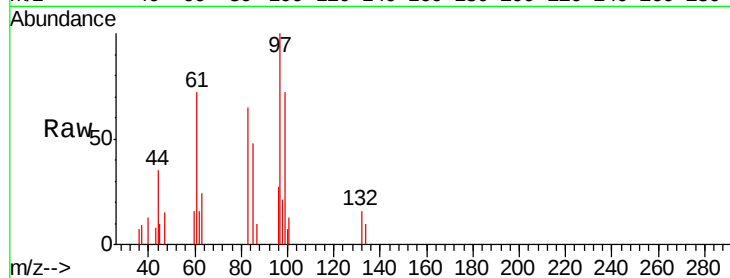




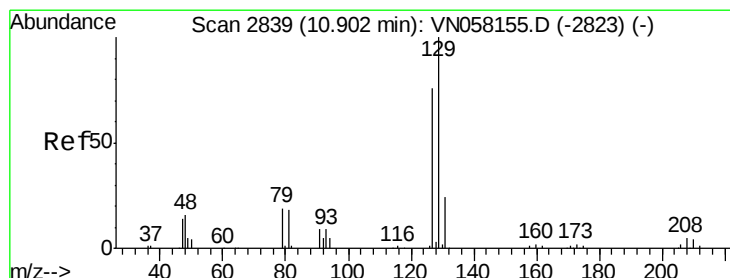
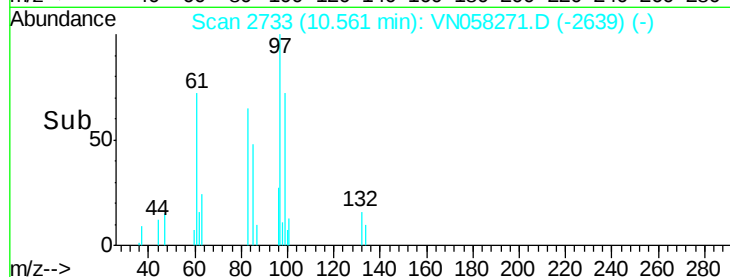
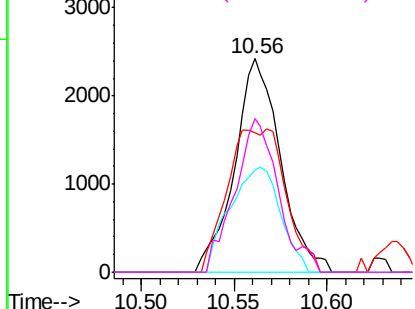
#55
 1,1,2-Trichloroethane
 Concen: 0.869 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058271.D
 Acq: 20 Sep 2019 22:58

Instrument :
 MSVOA_N
 ClientSampled :

Tgt Ion: 97 Resp: 4160
 Ion Ratio Lower Upper
 97 100
 83 65.1 70.4 105.6#
 85 47.7 46.8 70.2
 99 71.8 49.9 74.9

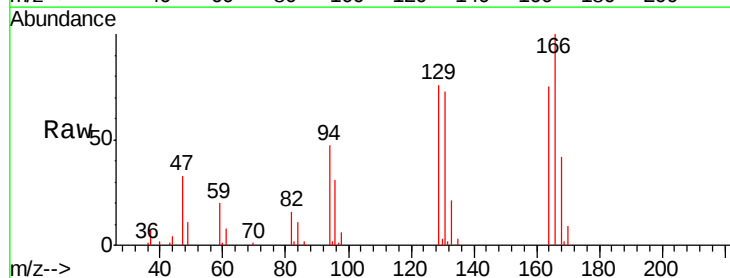


Abundance Ion 96.90 (96.60 to 97.60): VN058271.D (-2746) (-)
 Ion 82.90 (82.60 to 83.60): VN058271.D (-2746) (-)
 Ion 84.90 (84.60 to 85.60): VN058271.D (-2746) (-)
 Ion 98.90 (98.60 to 99.60): VN058271.D (-2746) (-)

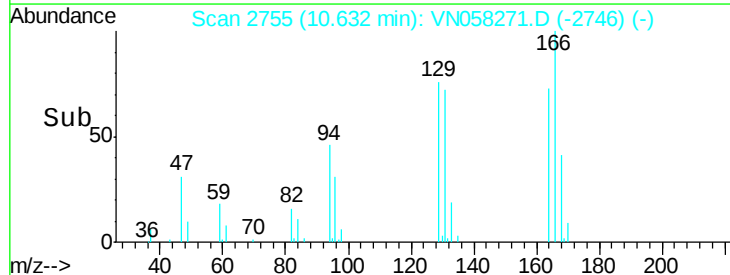
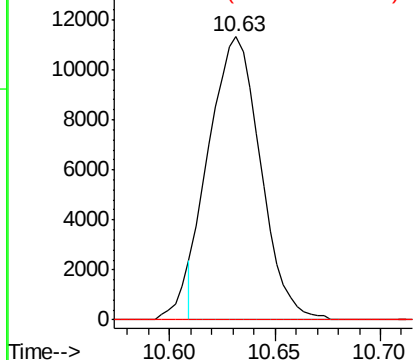


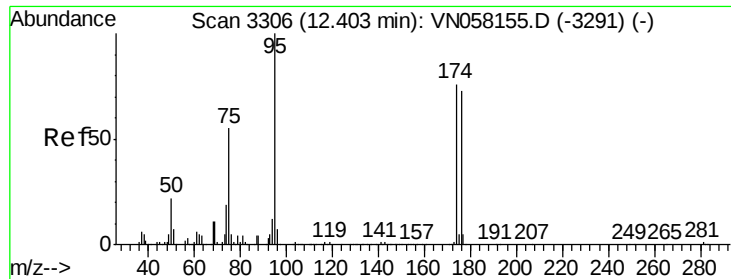
#60
 Dibromochloromethane
 Concen: 4.147 ug/l
 RT: 10.63 min Scan# 2755
 Delta R.T. -0.27 min
 Lab File: VN058271.D
 Acq: 20 Sep 2019 22:58

Tgt Ion: 129 Resp: 19102
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): VN058271.D (-2746) (-)
 Ion 126.80 (126.50 to 127.50): VN058271.D (-2746) (-)





#62

4-Bromofluorobenzene

Concen: 46.510 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :

MSVOA_N

ClientSampled :

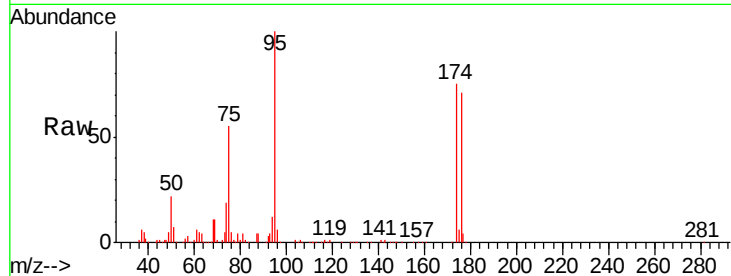
Tgt Ion: 95 Resp: 319857

Ion Ratio Lower Upper

95 100

174 75.3 0.0 152.2

176 72.5 0.0 148.0

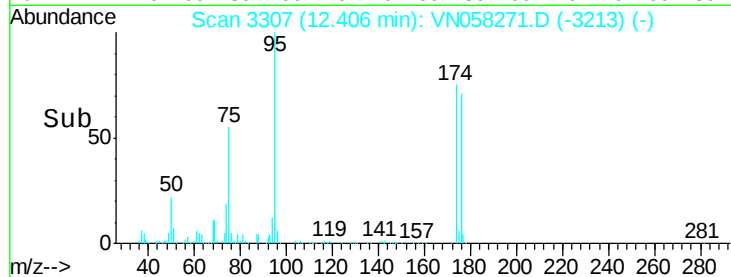


Abundance Ion 94.90 (94.60 to 95.60): VN058155.D (-3291) (-)

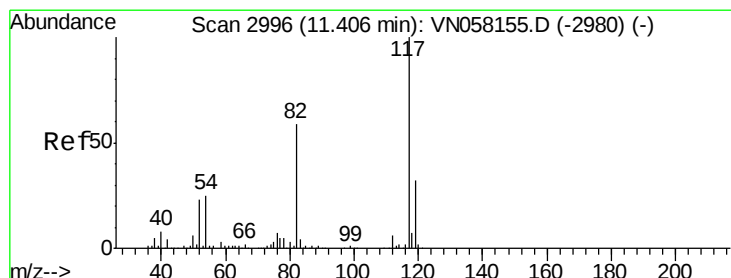
Ion 173.80 (173.50 to 174.50): VN058155.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058155.D (-3291) (-)

12.41



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

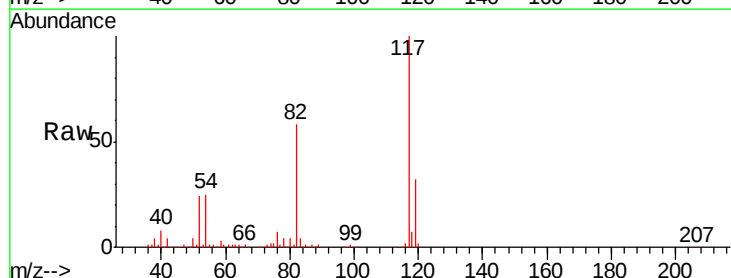
Tgt Ion: 117 Resp: 688223

Ion Ratio Lower Upper

117 100

82 58.4 46.9 70.3

119 32.0 25.3 37.9

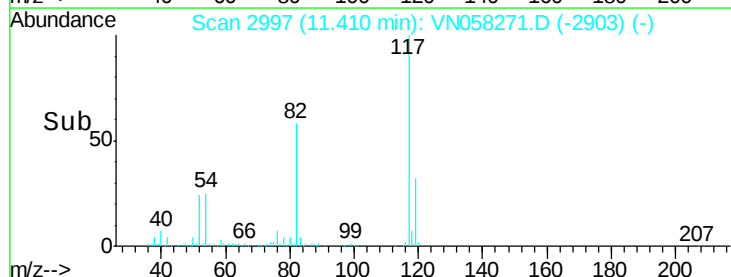


Abundance Ion 116.90 (116.60 to 117.60): VN058155.D (-2980) (-)

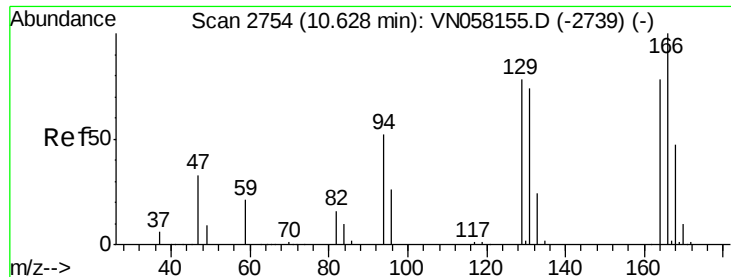
Ion 82.00 (81.70 to 82.70): VN058155.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058155.D (-2980) (-)

11.41



Time-->



#64

Tetrachloroethene

Concen: 5.681 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

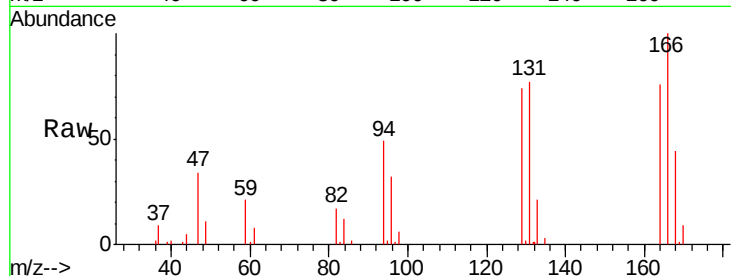
Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:164 Resp: 19060

Ion Ratio Lower Upper

164 100

166 131.1 102.2 153.4

129 97.6 79.6 119.4

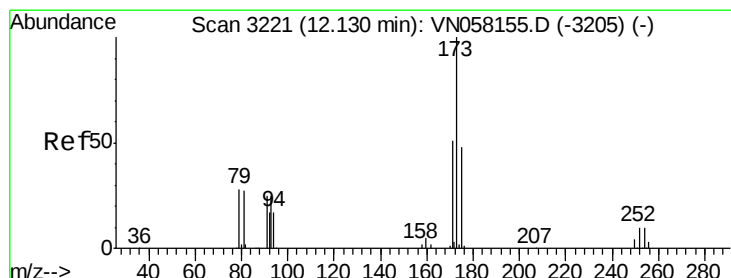
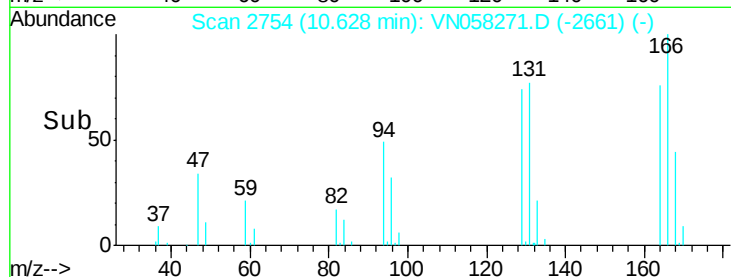
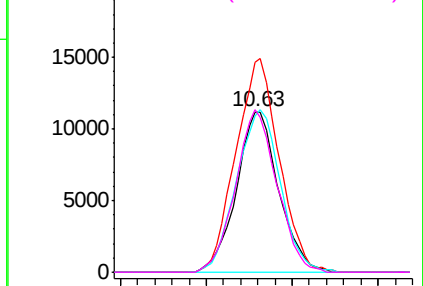
131 101.2 76.0 114.0

Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 3.723 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

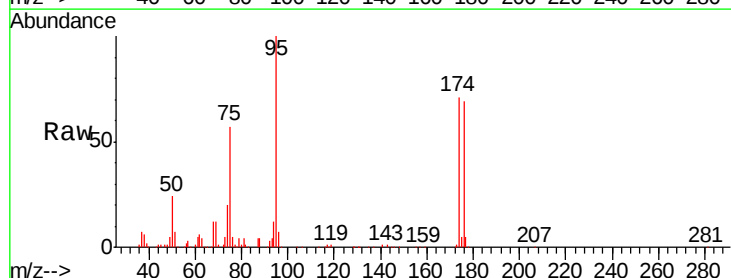
Tgt Ion:173 Resp: 450

Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

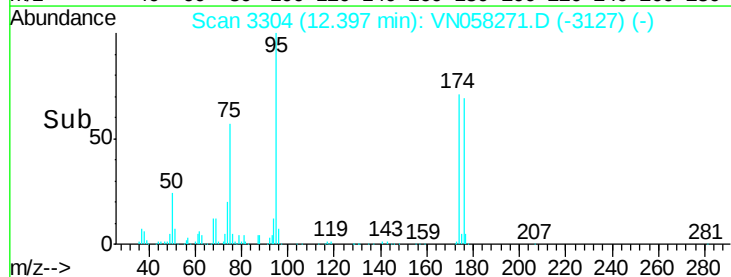
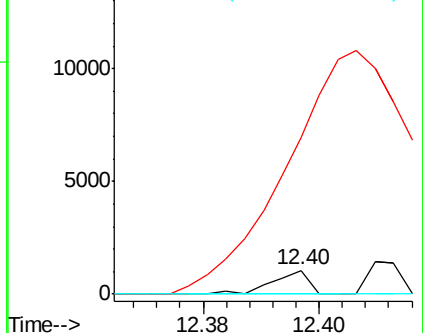
254 0.0 0.1 0.1#

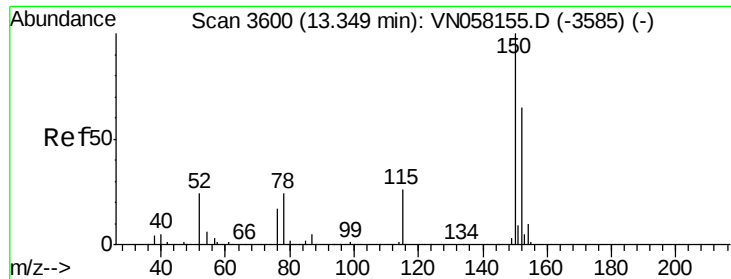


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

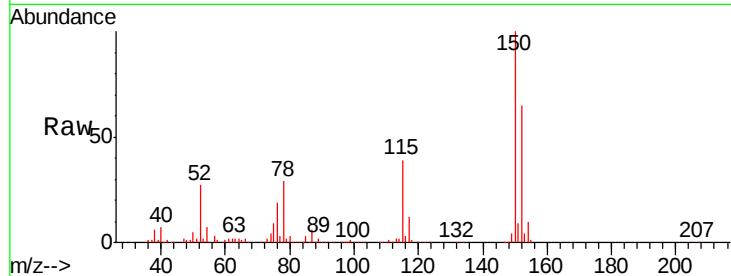
Tgt Ion: 152 Resp: 277835

Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.3

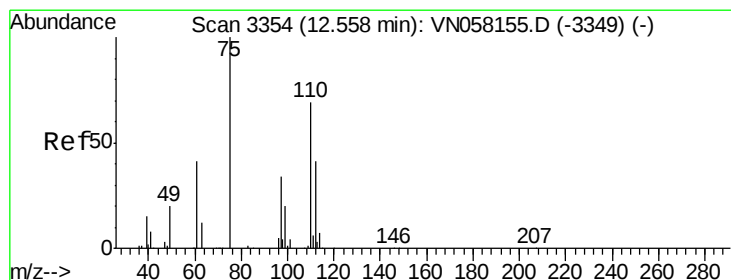
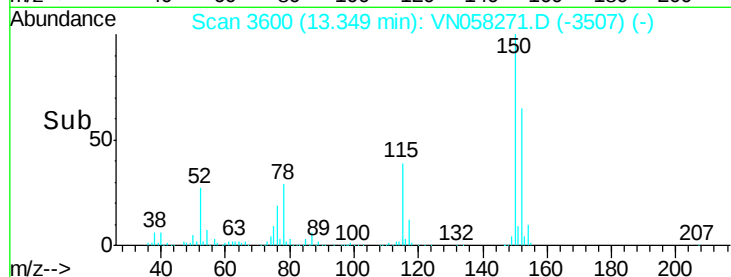
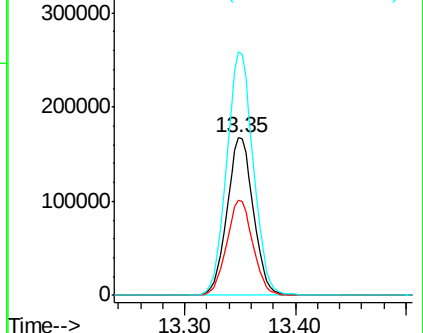
150 156.3 0.0 346.4



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: 35.667 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058271.D

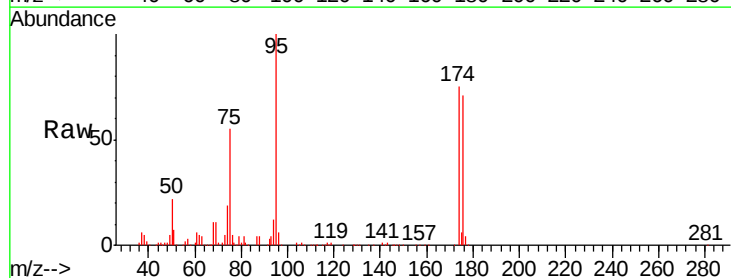
Acq: 20 Sep 2019 22:58

Tgt Ion: 75 Resp: 177348

Ion Ratio Lower Upper

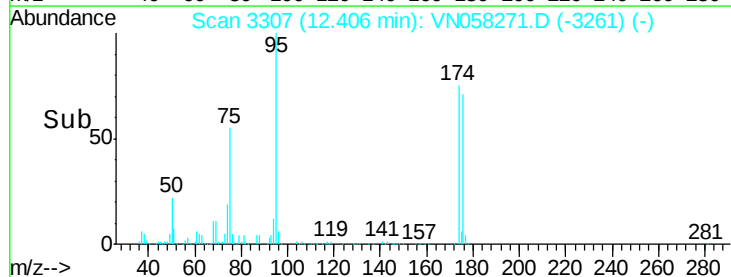
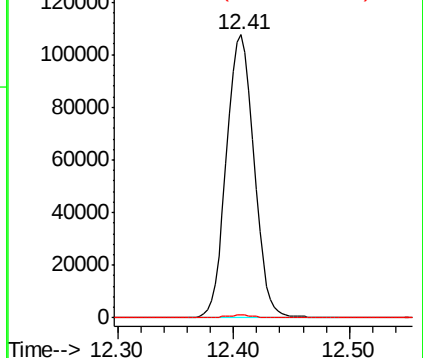
75 100

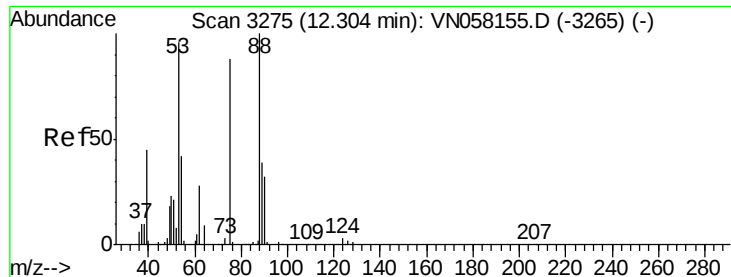
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 99.662 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058271.D

Acq: 20 Sep 2019 22:58

Instrument :

MSVOA_N

ClientSampleId :

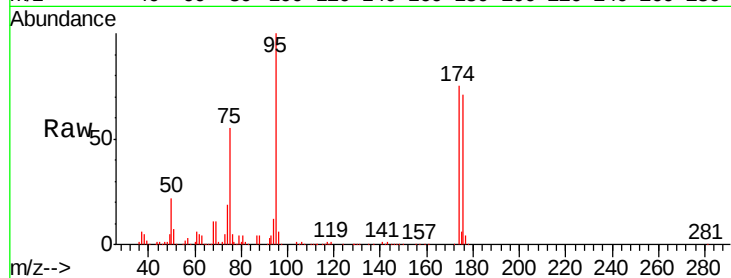
Tgt Ion: 75 Resp: 177348

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

100000

50000

0

Time--> 12.30 12.40 12.50

