

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056118.D
 Acq On : 7 Jun 2019 23:31
 Operator : JC/SP
 Sample : K3223-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 08 05:15:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	319652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	488997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	451285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147154	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	169809	53.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.00%	
35) Dibromofluoromethane	7.59	113	152990	50.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.98%	
50) Toluene-d8	10.09	98	627576	54.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.72%	
62) 4-Bromofluorobenzene	12.40	95	196740	50.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	98	0.382	ug/l #	42
4) Vinyl Chloride	2.18	62	1263	0.363	ug/l	99
11) Tert butyl alcohol	4.74	59	3823	6.922	ug/l #	74
12) 1,1-Dichloroethene	3.72	96	1420	0.529	ug/l #	85
15) Acrylonitrile	5.05	53	3623	2.695	ug/l #	25
16) Acetone	3.83	43	1302	0.858	ug/l	99
18) Methyl Acetate	4.34	43	2492	0.261	ug/l #	70
19) Methyl tert-butyl Ether	5.05	73	351037	41.040	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	309228	107.551	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	104974	31.060	ug/l	89
31) Cyclohexane	7.66	56	4725	0.938	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18361	4.367	ug/l #	48
38) Carbon Tetrachloride	7.66	117	25719	6.635	ug/l #	15
39) Methylcyclohexane	8.83	83	4878	0.931	ug/l #	1
42) 1,2-Dichloroethane	8.12	62	64516	15.705	ug/l	100
44) Trichloroethene	8.83	130	458095	124.835	ug/l	99
45) 1,2-Dichloropropane	9.12	63	684	0.209	ug/l #	44
51) 4-Methyl-2-Pentanone	9.99	43	901	0.238	ug/l #	35
55) 1,1,2-Trichloroethane	10.56	97	1636	0.520	ug/l	92
59) 2-Hexanone	10.76	43	1465	0.533	ug/l #	56
60) Dibromochloromethane	10.63	129	96	2.478	ug/l #	11
65) Chlorobenzene	11.43	112	5865	0.653	ug/l	99
71) Bromoform	12.40	173	1401	3.251	ug/l #	1
73) Isopropylbenzene	12.25	105	603	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	88378	32.640	ug/l #	100
79) 2-Chlorotoluene	12.67	91	494	Below Cal	#	49
81) trans-1,4-Dichloro-2-buten	12.40	75	88378	108.696	ug/l #	15
83) tert-Butylbenzene	12.99	119	396	Below Cal	#	75
88) 1,4-Dichlorobenzene	13.36	146	1077	0.230	ug/l #	1
91) 1,2-Dichlorobenzene	13.65	146	1423	0.289	ug/l	96
93) 1,2,4-Trichlorobenzene	14.91	180	864	4.561	ug/l #	88
94) Hexachlorobutadiene	15.00	225	421	Below Cal	#	19
95) Naphthalene	15.14	128	3591	4.322	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.32	180	1323	3.481	ug/l	97

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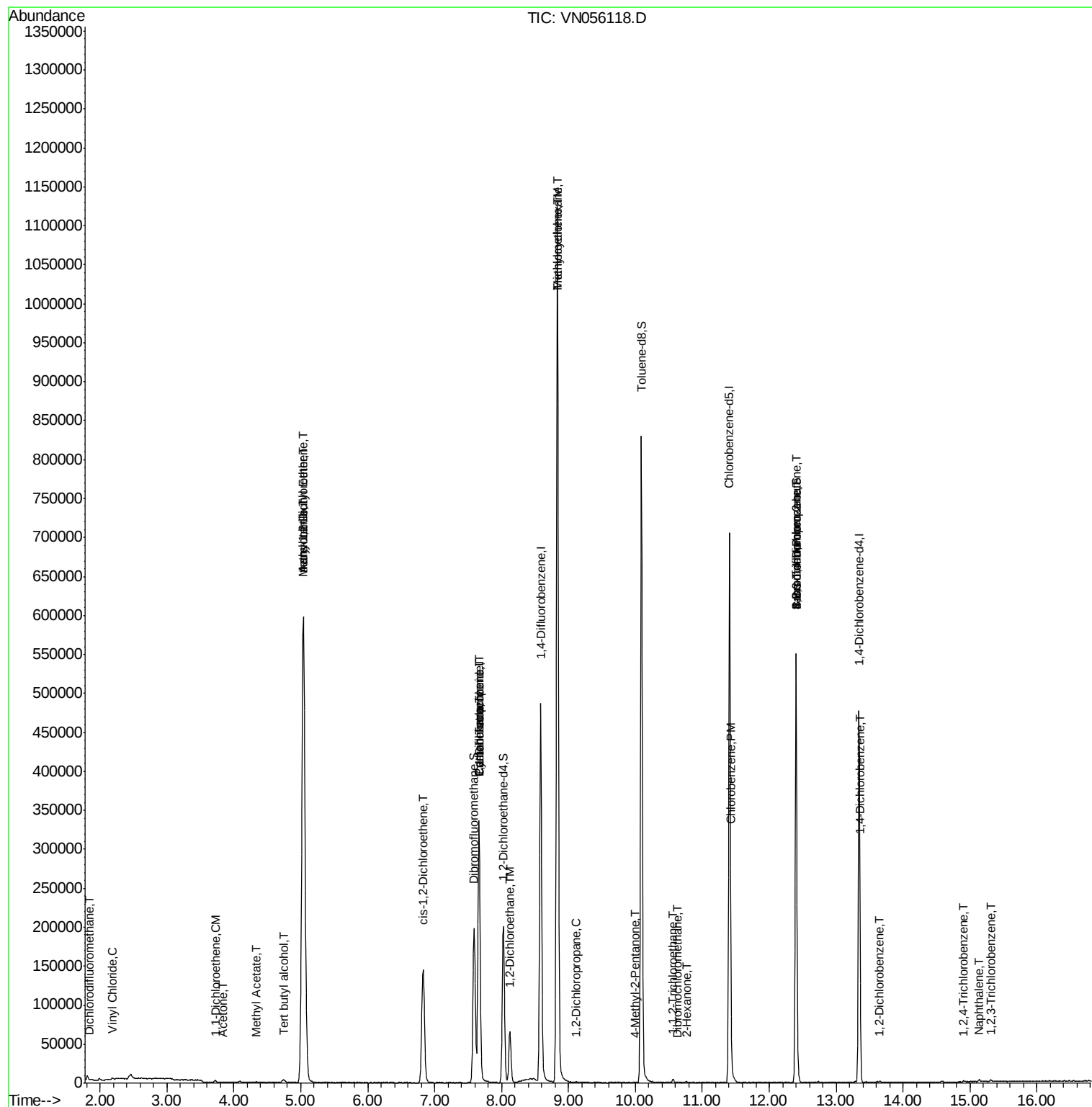
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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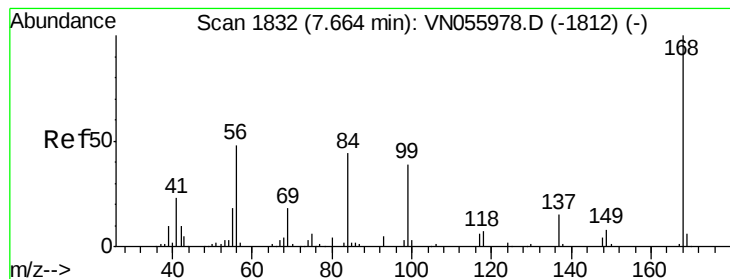
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060819\
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Acq On : 7 Jun 2019 23:31
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Sample : K3223-01
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ClientSampled :

Quant Time: Jun 08 05:15:38 2019
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

Instrument :

MSVOA_N

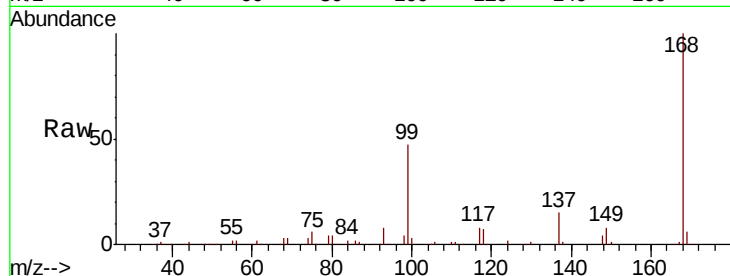
ClientSampleId :

Tot Ion:168 Resp: 319652

Ion Ratio Lower Upper

168 100

99 46.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

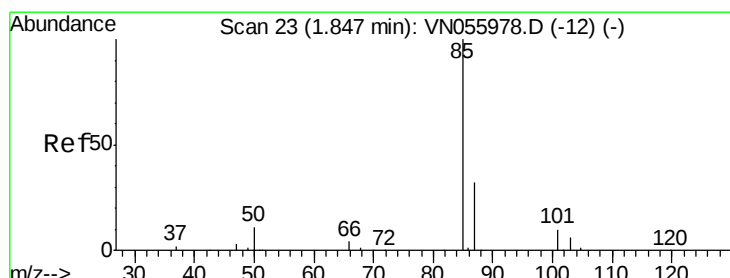
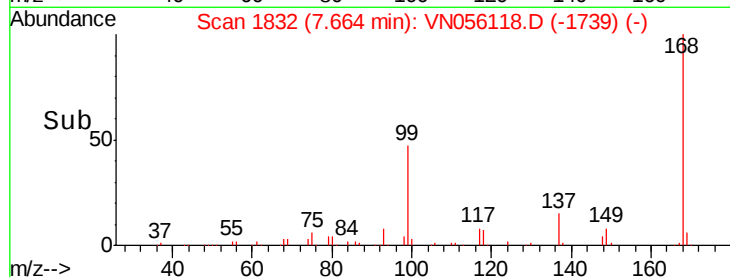
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.382 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056118.D

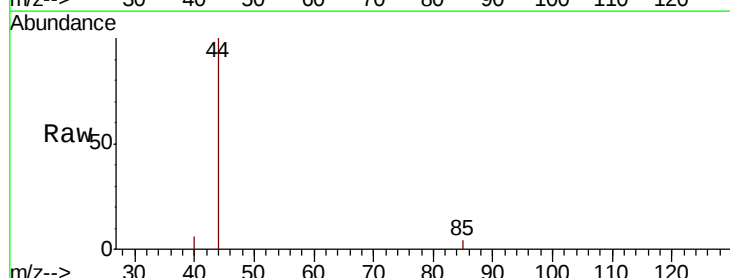
Acq: 7 Jun 2019 23:31

Tgt Ion: 85 Resp: 98

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VN055978.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN055978.D (-12) (-)

1.85

200

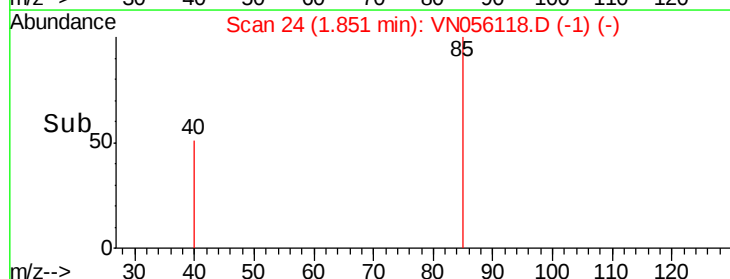
150

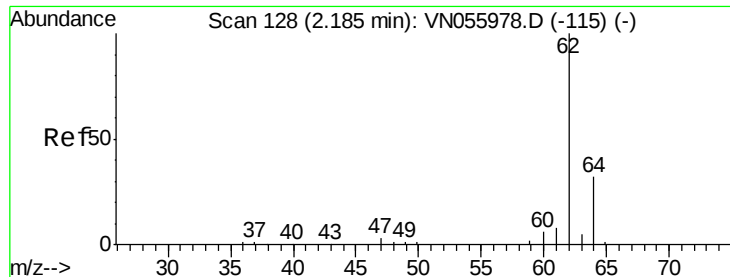
100

50

0

Time-->





#4

Vinyl Chloride

Concen: 0.363 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.01 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

Instrument :

MSVOA_N

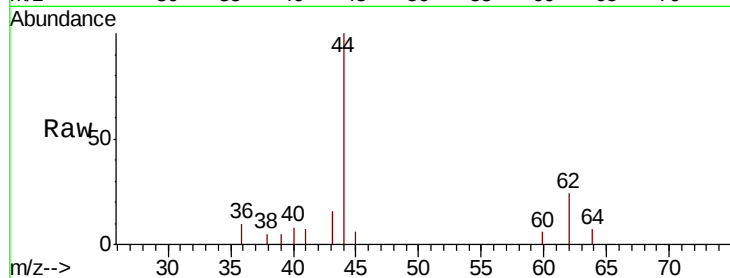
ClientSampled :

Tot Ion: 62 Resp: 1263

Ion Ratio Lower Upper

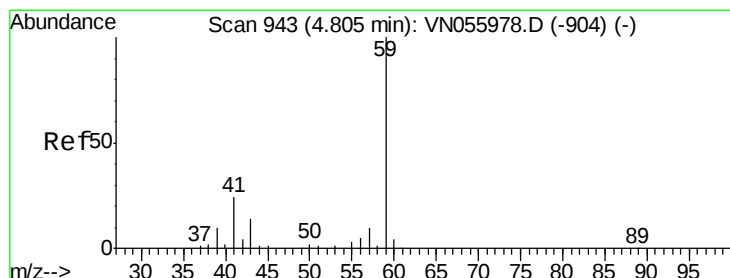
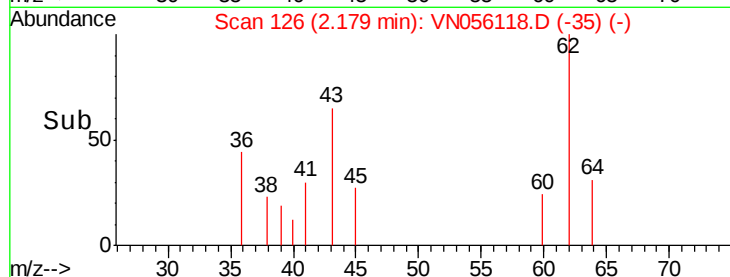
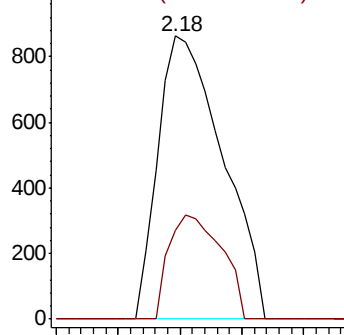
62 100

64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#11

Tert butyl alcohol

Concen: 6.922 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.06 min

Lab File: VN056118.D

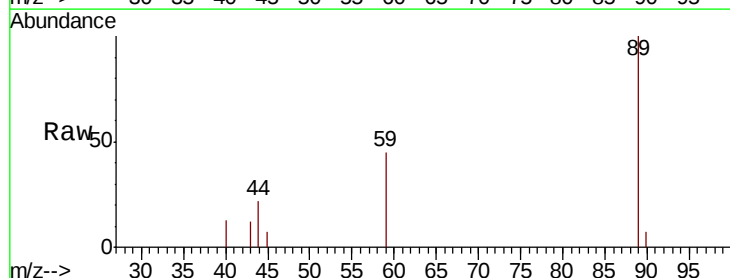
Acq: 7 Jun 2019 23:31

Tgt Ion: 59 Resp: 3823

Ion Ratio Lower Upper

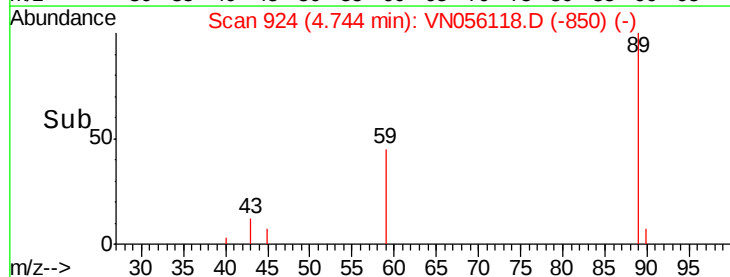
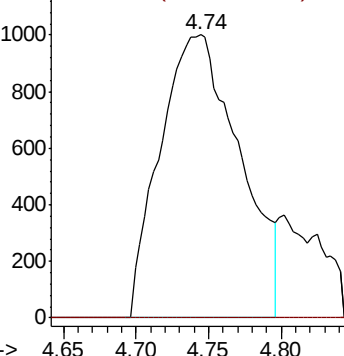
59 100

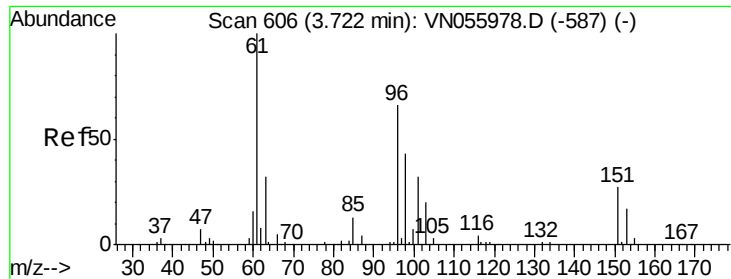
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#12

1,1-Dichloroethene

Concen: 0.529 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

Instrument :

MSVOA_N

ClientSampled :

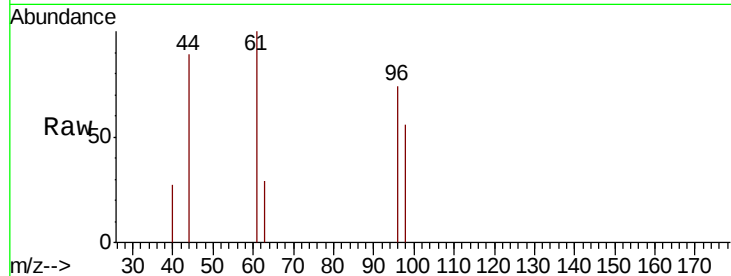
Tot Ion: 96 Resp: 1420

Ion Ratio Lower Upper

96 100

61 135.1 123.2 184.8

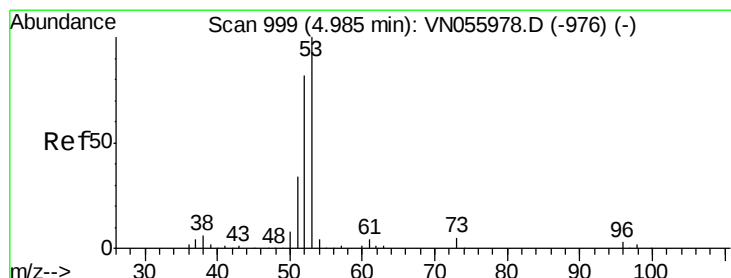
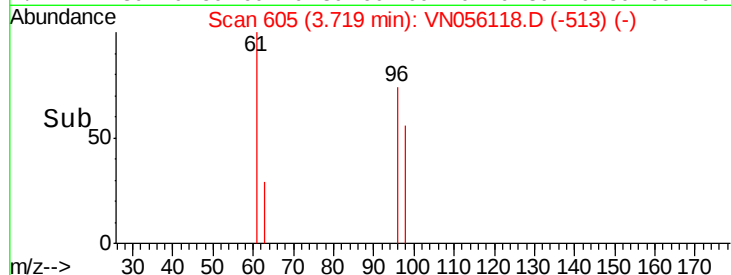
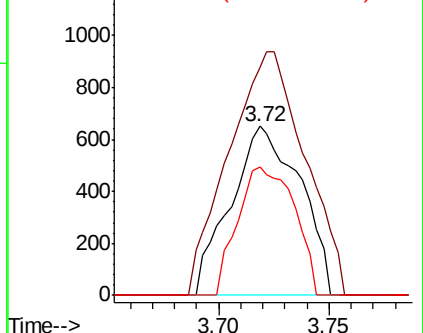
98 76.2 50.4 75.6#



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



#15

Acrylonitrile

Concen: 2.695 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.06 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

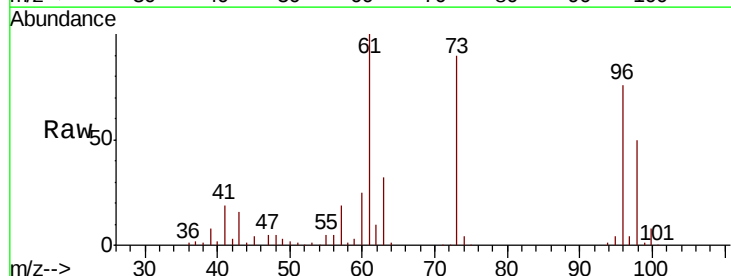
Tgt Ion: 53 Resp: 3623

Ion Ratio Lower Upper

53 100

52 9.1 65.8 98.8#

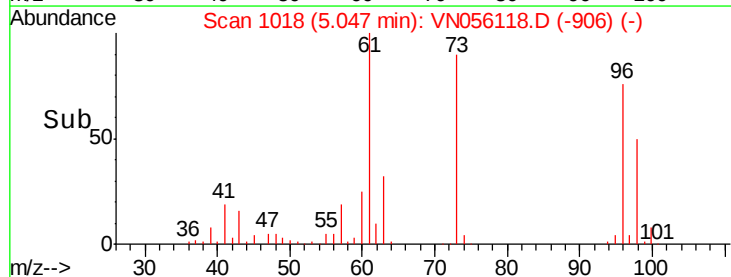
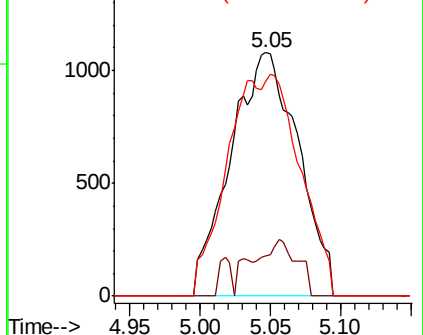
51 0.0 28.2 42.4#

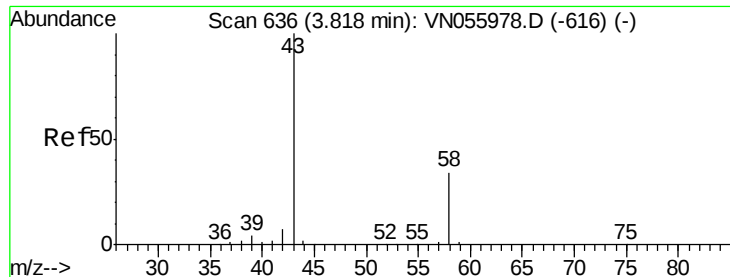


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

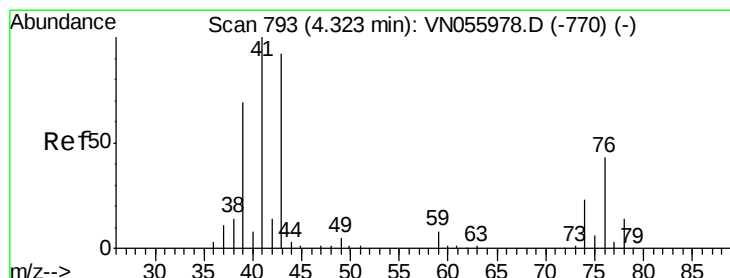
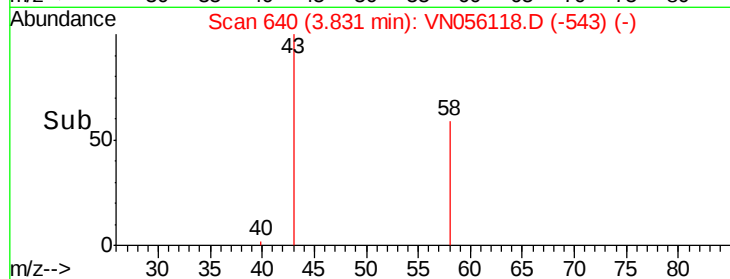
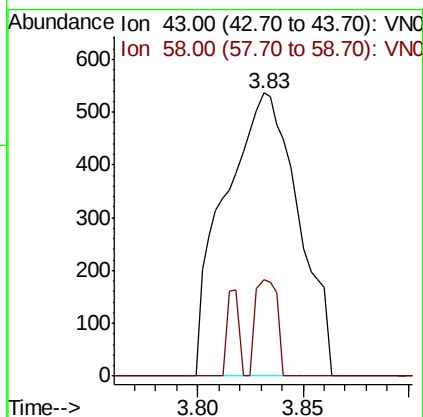
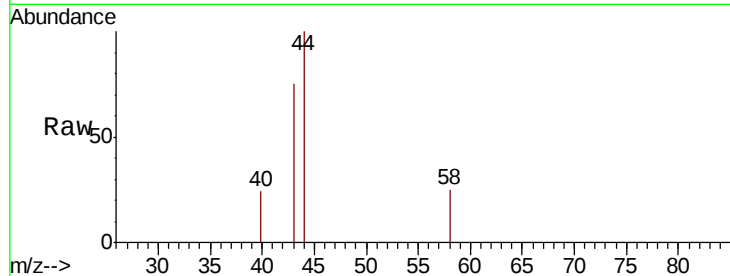




#16
Acetone
Concen: 0.858 ug/l
RT: 3.83 min Scan# 640
Delta R.T. 0.01 min
Lab File: VN056118.D
Acq: 7 Jun 2019 23:31

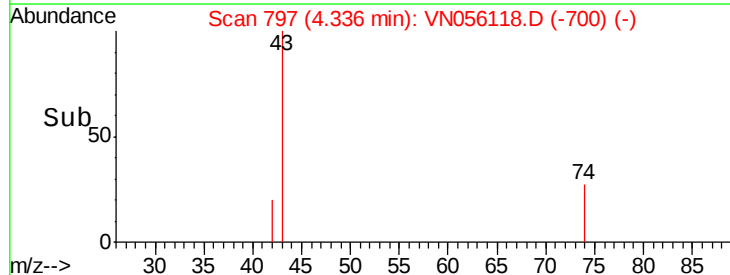
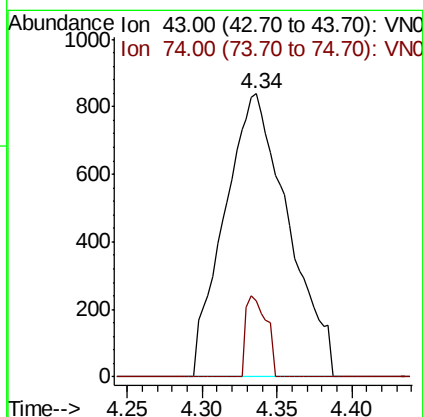
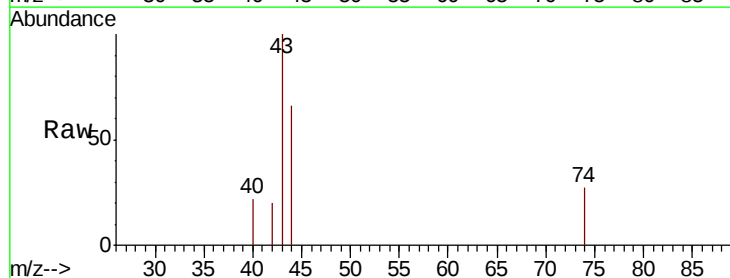
Instrument :
MSVOA_N
ClientSampled :

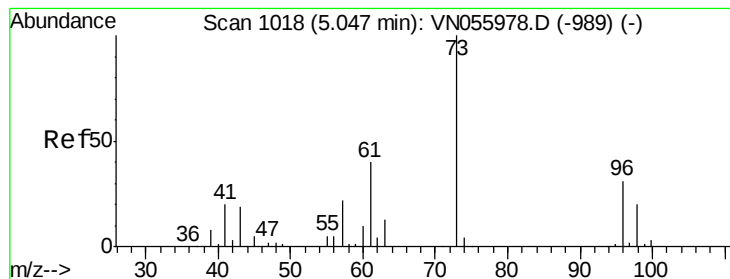
Tot Ion: 43 Resp: 1302
Ion Ratio Lower Upper
43 100
58 34.0 26.6 39.8



#18
Methyl Acetate
Concen: 0.261 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN056118.D
Acq: 7 Jun 2019 23:31

Tgt Ion: 43 Resp: 2492
Ion Ratio Lower Upper
43 100
74 9.2 19.3 28.9#



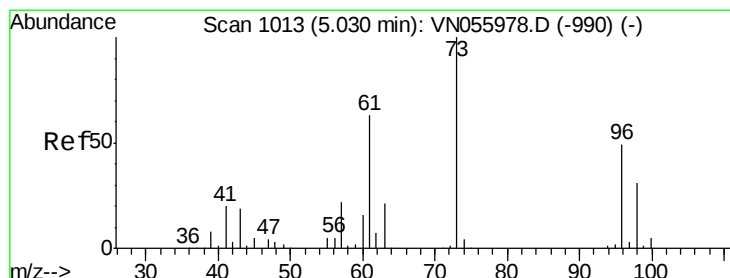
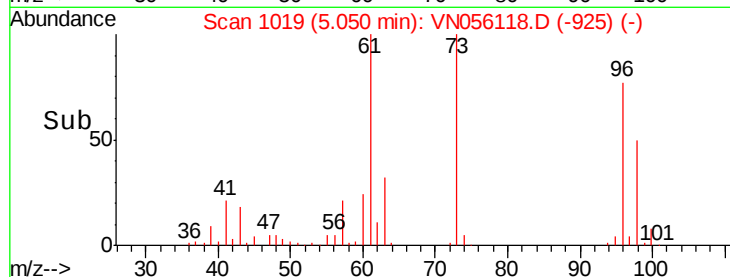
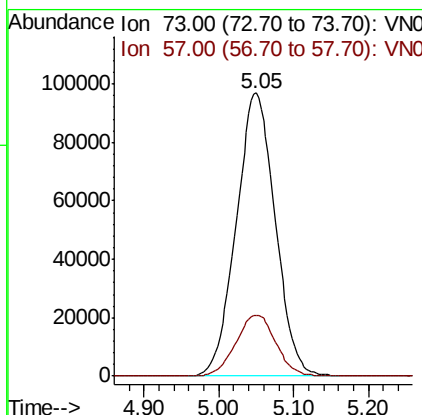
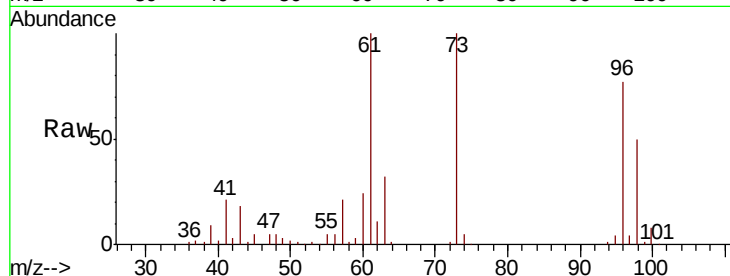


#19

Methvl tert-butvl Ether
 Concen: 41.040 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056118.D
 Acq: 7 Jun 2019 23:31

Instrument :
 MSVOA_N
 ClientSampled :

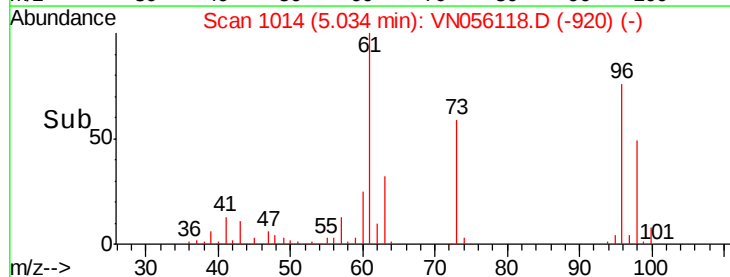
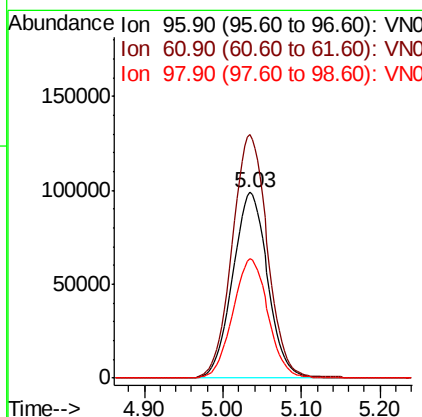
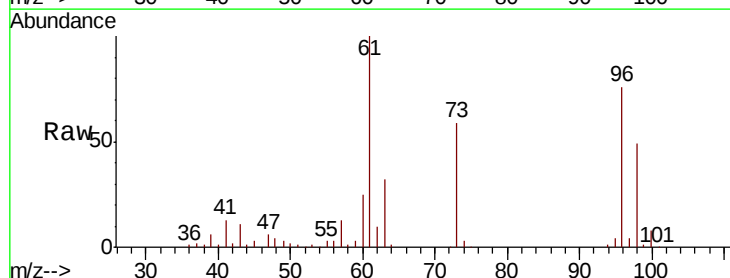
Tot Ion: 73 Resp: 351037
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.8 26.8

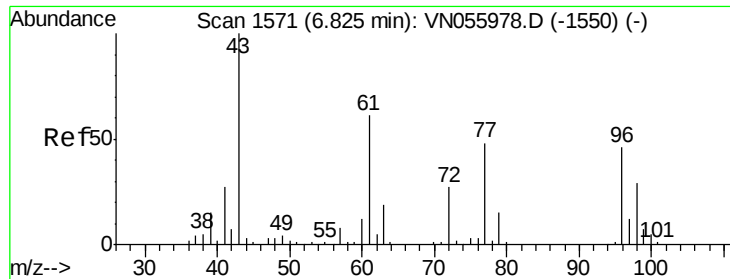


#21

trans-1,2-Dichloroethene
 Concen: 107.551 ug/l
 RT: 5.03 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VN056118.D
 Acq: 7 Jun 2019 23:31

Tgt Ion: 96 Resp: 309228
 Ion Ratio Lower Upper
 96 100
 61 130.9 107.8 161.8
 98 64.1 49.8 74.8





#27

cis-1,2-Dichloroethene

Concen: 31.060 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

Instrument :
MSVOA_N
ClientSampled :

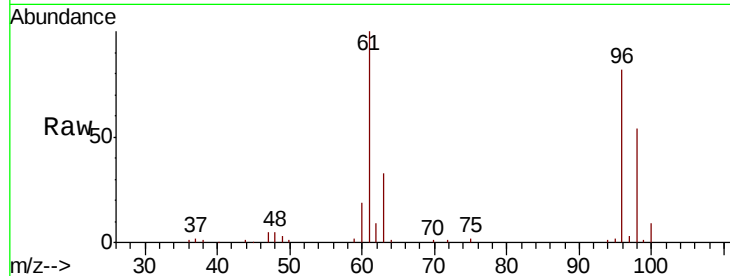
Tot Ion: 96 Resp: 104974

Ion Ratio Lower Upper

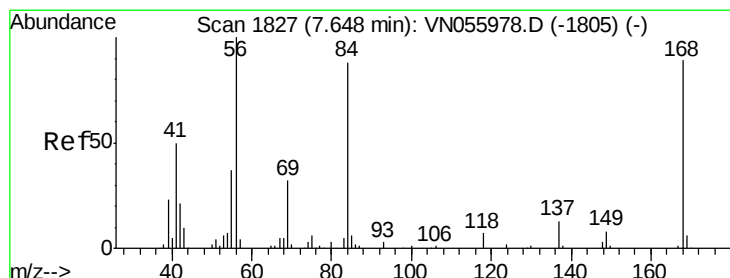
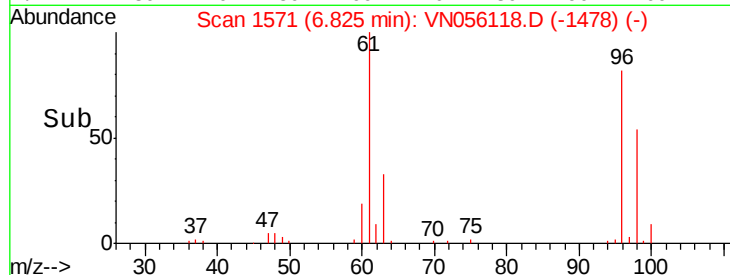
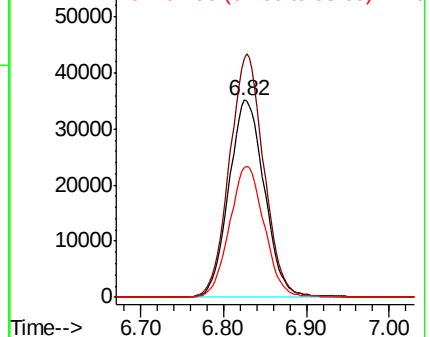
96 100

61 118.8 0.0 275.8

98 64.6 0.0 128.4



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: 0.938 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

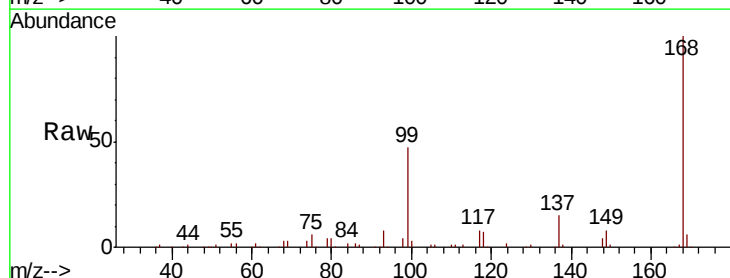
Tgt Ion: 56 Resp: 4725

Ion Ratio Lower Upper

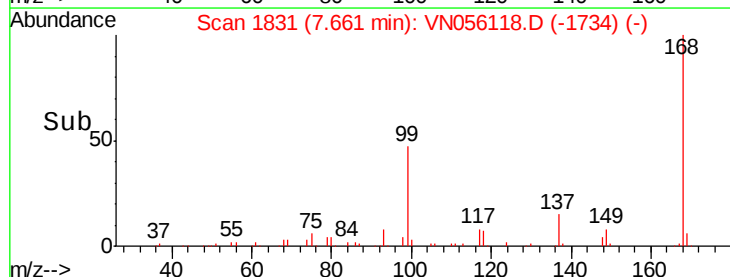
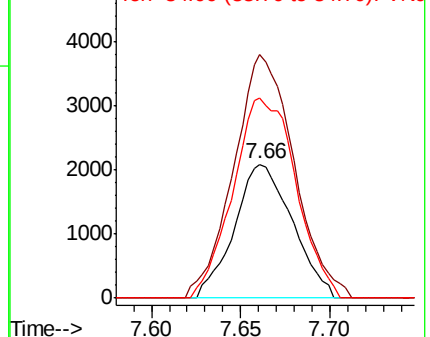
56 100

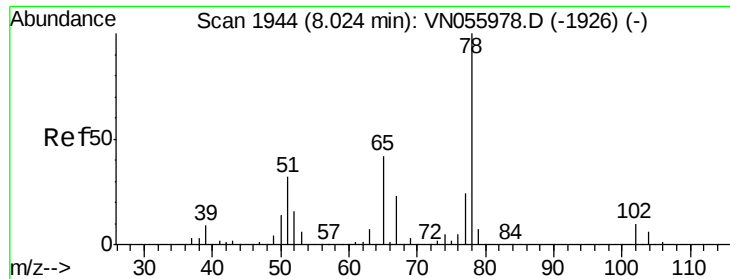
69 173.4 25.6 38.4#

84 150.2 67.4 101.0#



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

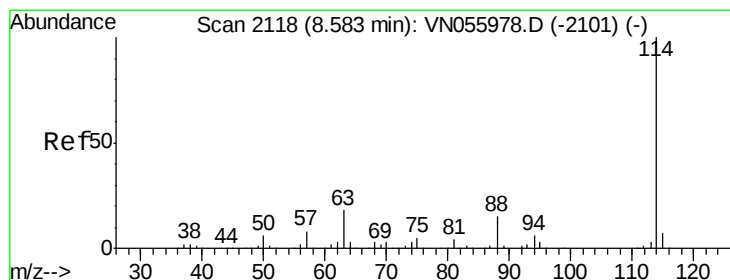
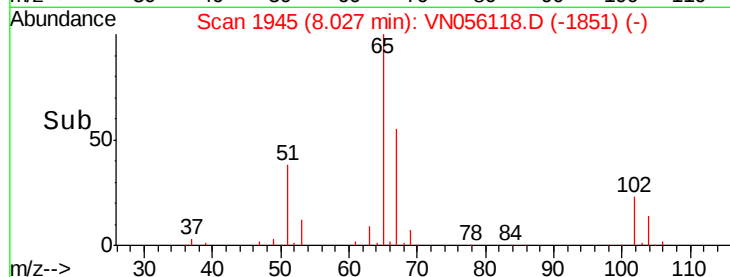
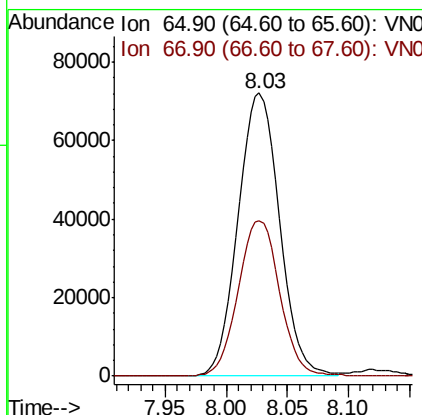
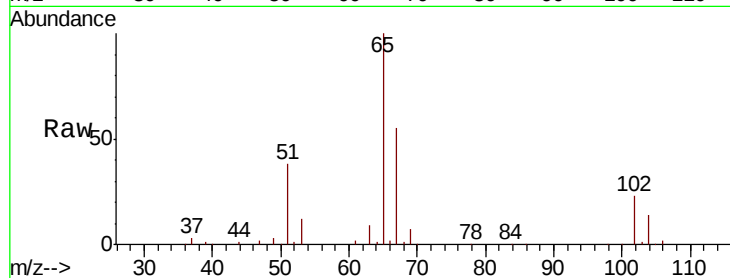




#33
 1,2-Dichloroethane-d4
 Concen: 53.502 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056118.D
 Acq: 7 Jun 2019 23:31

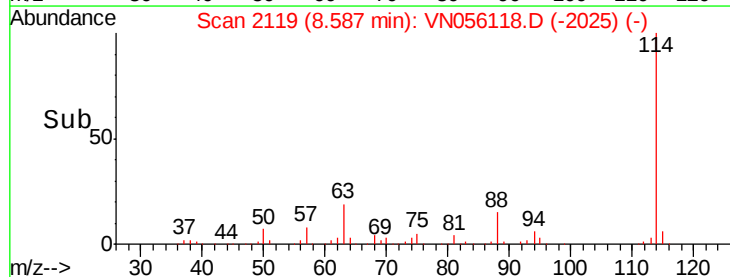
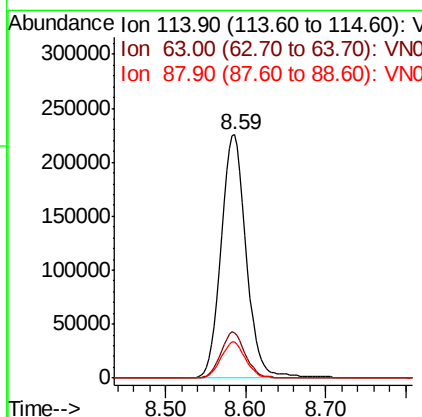
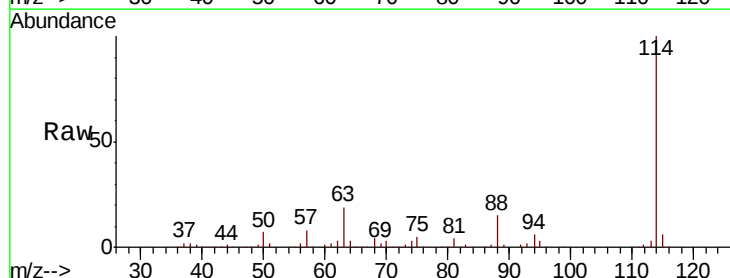
Instrument :
 MSVOA_N
 ClientSampleId :

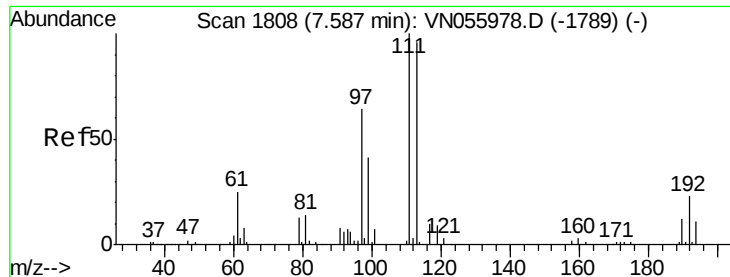
Tot Ion: 65 Resp: 169809
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056118.D
 Acq: 7 Jun 2019 23:31

Tgt Ion: 114 Resp: 488997
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 14.9 0.0 31.0

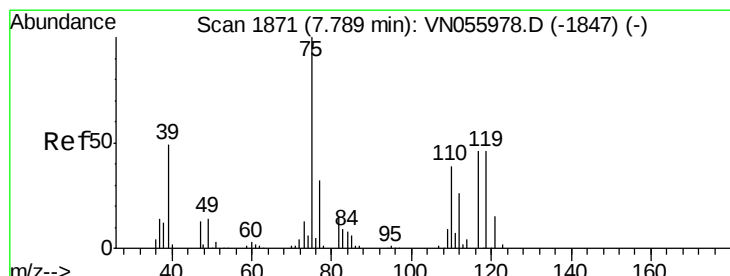
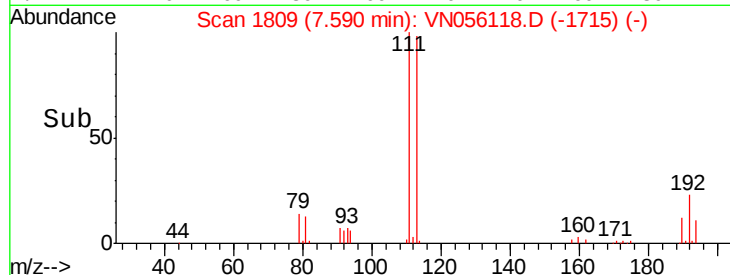
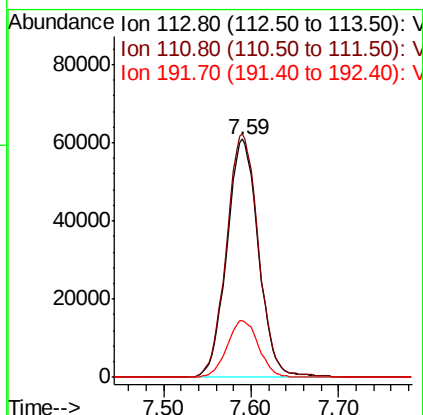
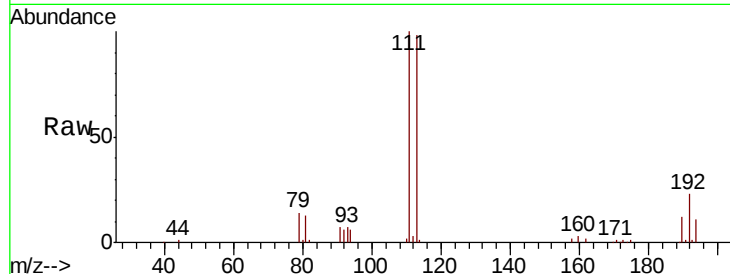




#35
 Dibromofluoromethane
 Concen: 50.994 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056118.D
 Acq: 7 Jun 2019 23:31

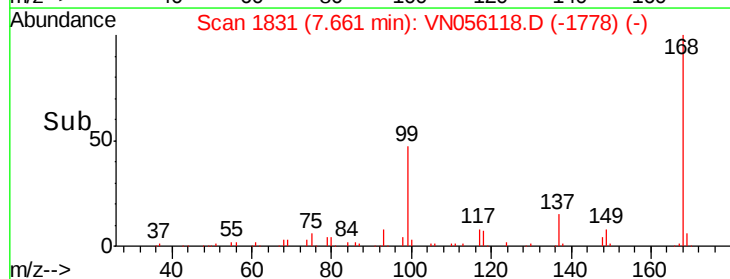
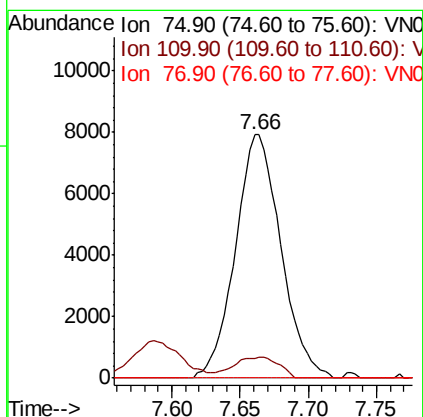
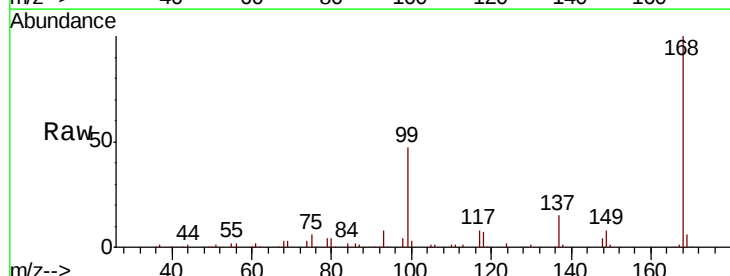
Instrument :
 MSVOA_N
 ClientSampleId :

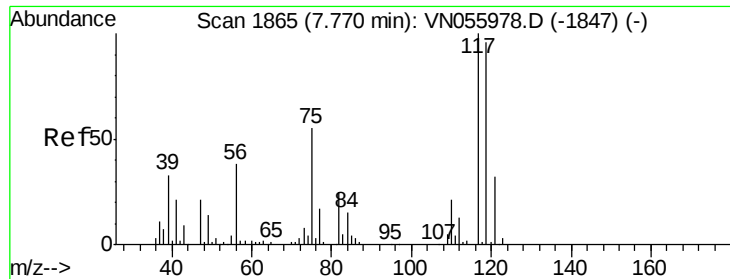
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	23.7	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 4.367 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056118.D
 Acq: 7 Jun 2019 23:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	19.0	57.0#
77	0.0	25.1	37.7#

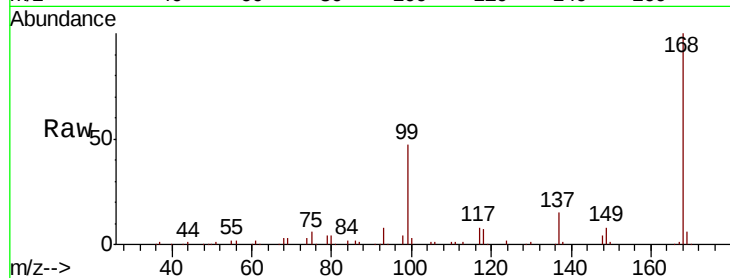




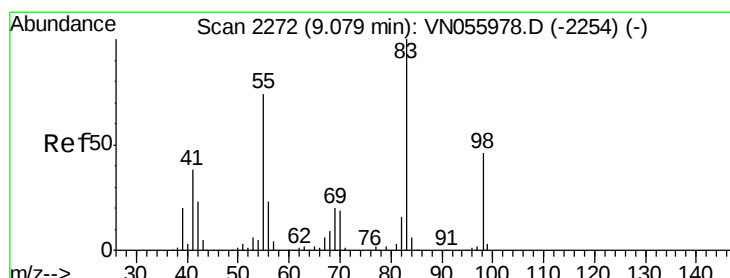
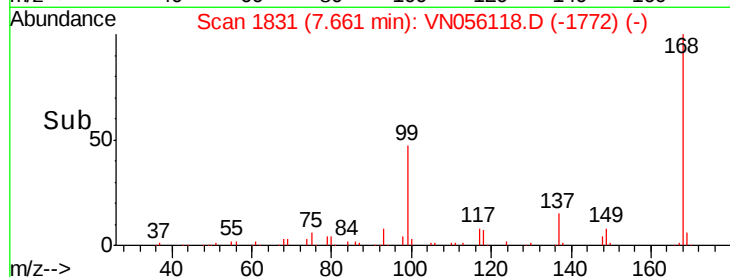
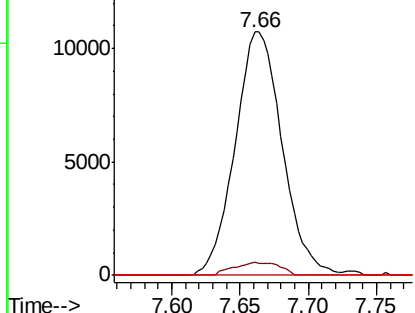
#38
Carbon Tetrachloride
Concen: 6.635 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN056118.D
Acq: 7 Jun 2019 23:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 25719
Ion Ratio Lower Upper
117 100
119 5.3 79.0 118.6#
121 0.0 24.7 37.1#

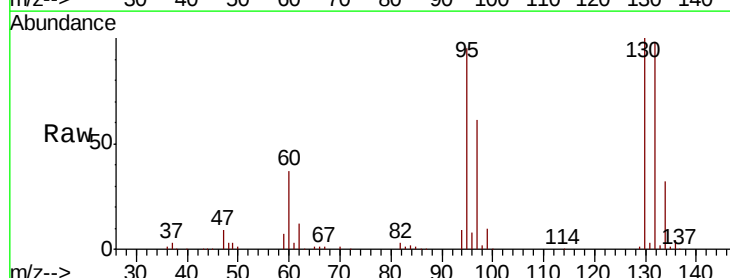


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

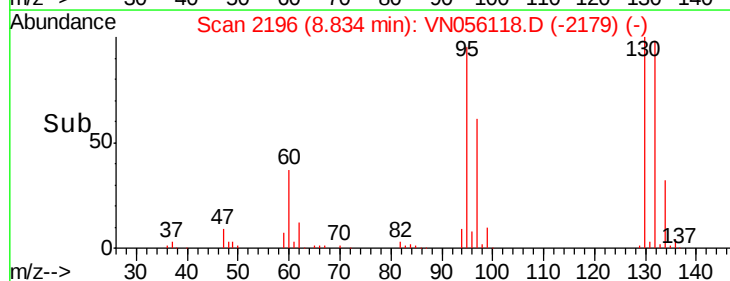
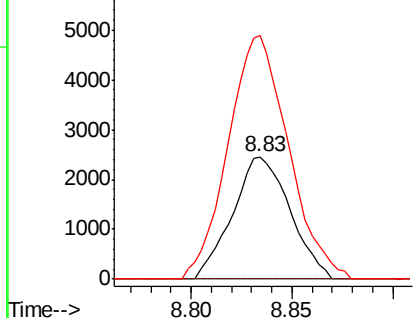


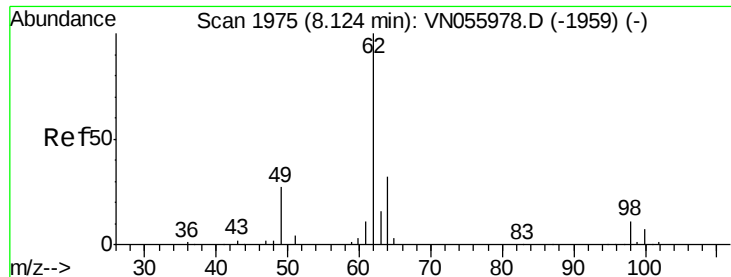
#39
Methylcyclohexane
Concen: 0.931 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.24 min
Lab File: VN056118.D
Acq: 7 Jun 2019 23:31

Tgt Ion: 83 Resp: 4878
Ion Ratio Lower Upper
83 100
55 0.0 59.3 88.9#
98 191.1 36.6 54.8#



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V

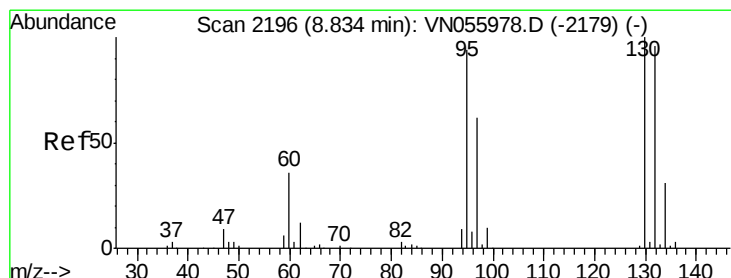
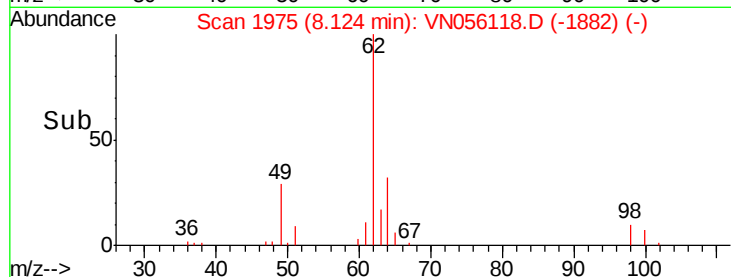
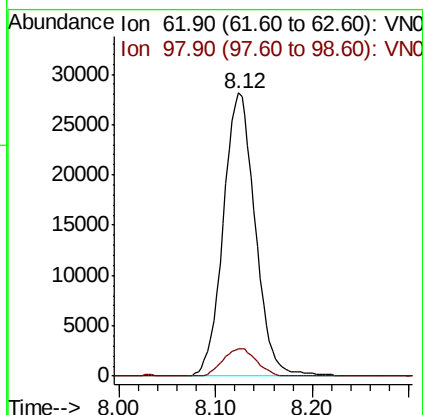
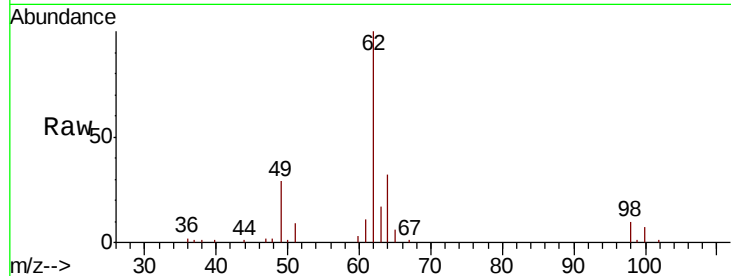




#42
 1,2-Dichloroethane
 Concen: 15.705 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VN056118.D
 Acq: 7 Jun 2019 23:31

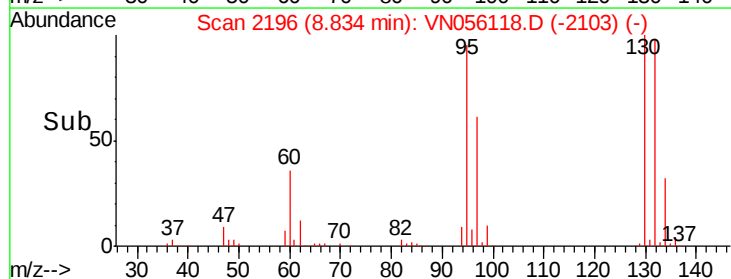
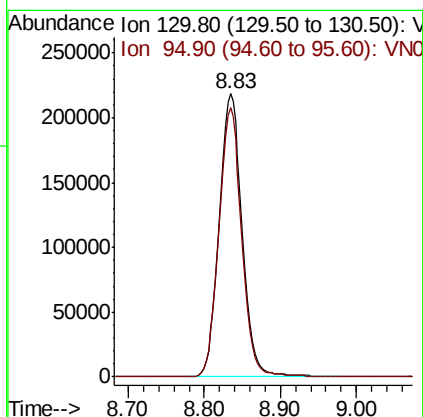
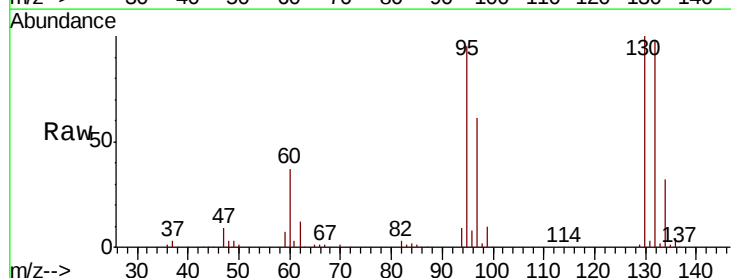
Instrument :
 MSVOA_N
 ClientSampleId :

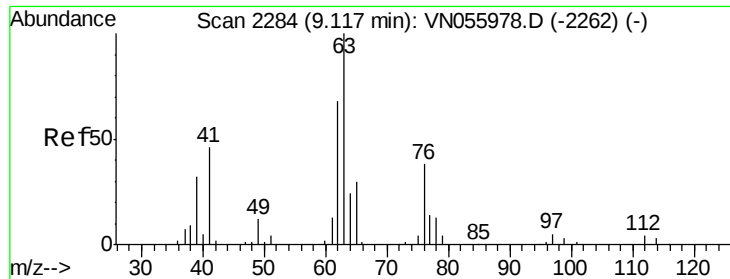
Tot Ion: 62 Resp: 64516
 Ion Ratio Lower Upper
 62 100
 98 10.1 0.0 20.2



#44
 Trichloroethene
 Concen: 124.835 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056118.D
 Acq: 7 Jun 2019 23:31

Tgt Ion:130 Resp: 458095
 Ion Ratio Lower Upper
 130 100
 95 95.2 0.0 188.0





#45

1,2-Dichloropropane

Concen: 0.209 ug/l

RT: 9.12 min Scan# 2286

Delta R.T. 0.01 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

Instrument :

MSVOA_N

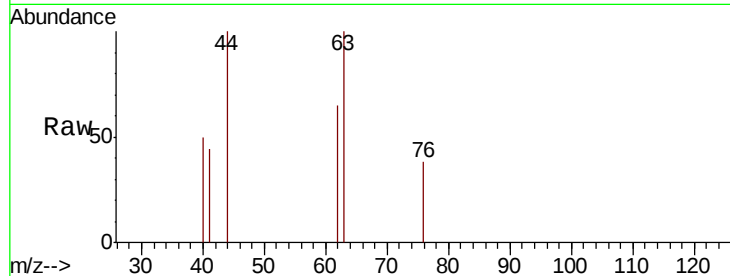
ClientSampleId :

Tot Ion: 63 Resp: 684

Ion Ratio Lower Upper

63 100

65 0.0 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

400

300

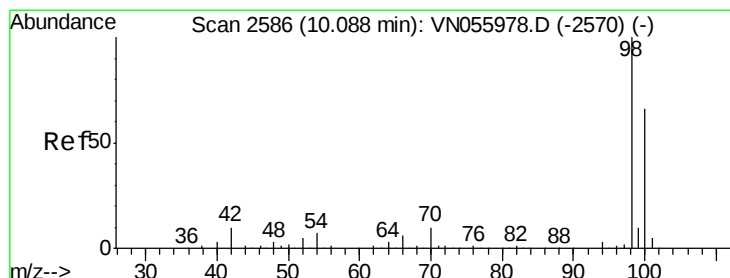
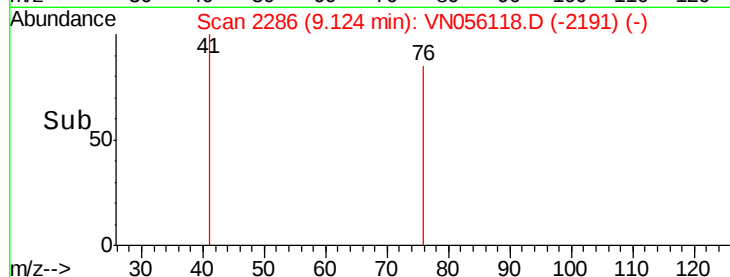
200

100

0

9.08 9.10 9.12 9.14 9.16

Time-->



#50

Toluene-d8

Concen: 54.361 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056118.D

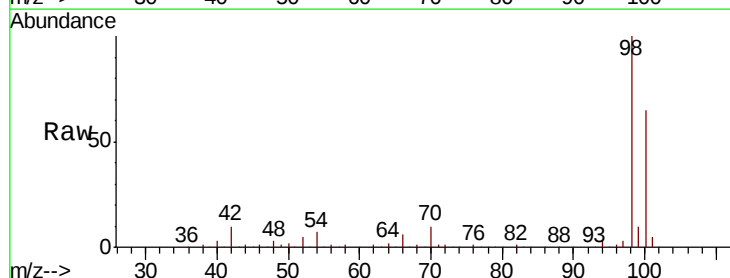
Acq: 7 Jun 2019 23:31

Tgt Ion: 98 Resp: 627576

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.09

300000

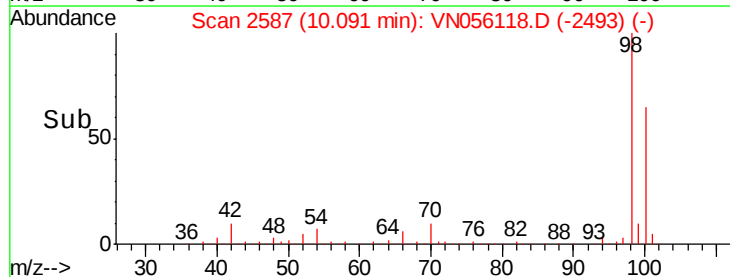
200000

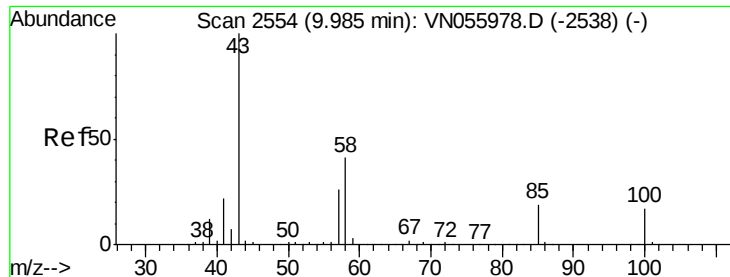
100000

0

10.00 10.10 10.20 10.30

Time-->

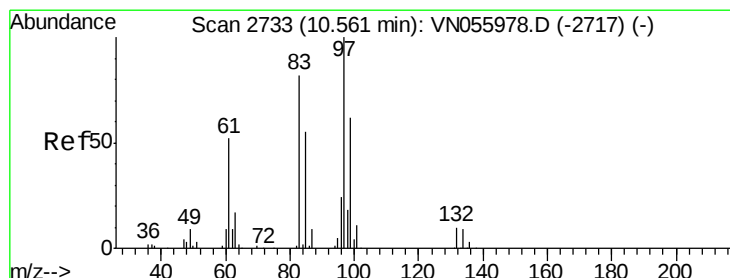
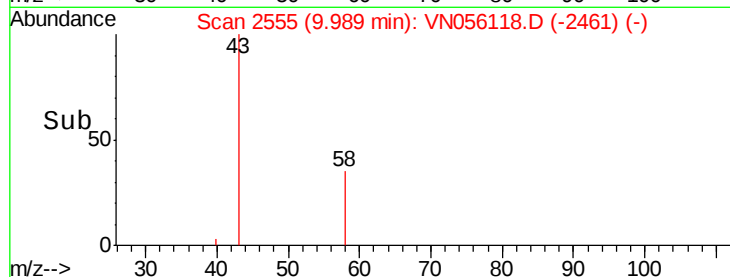
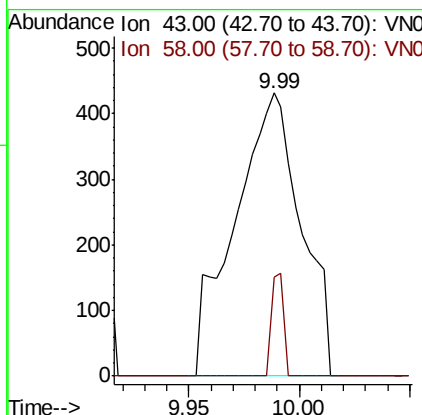
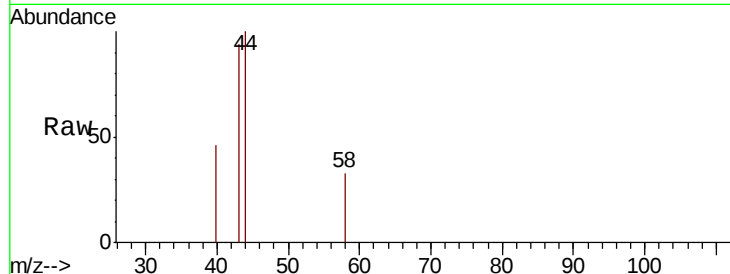




#51
4-Methyl-2-Pentanone
Concen: 0.238 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN056118.D
Acq: 7 Jun 2019 23:31

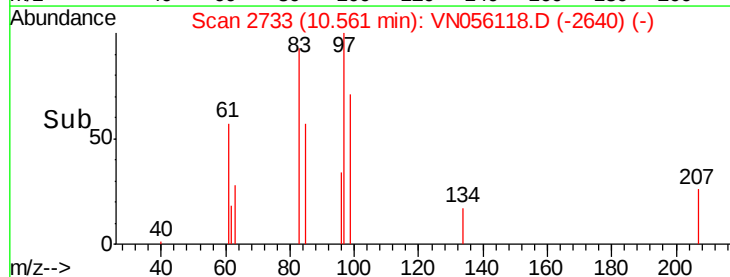
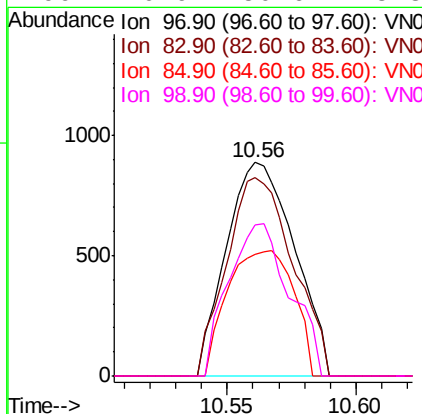
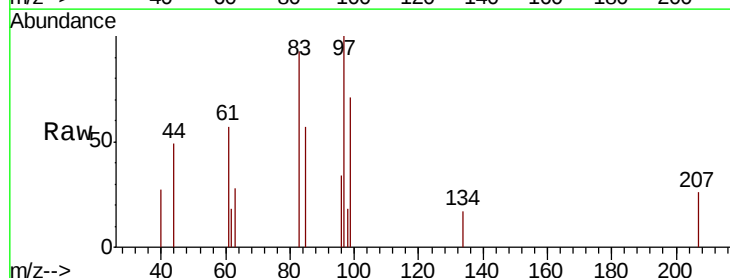
Instrument :
MSVOA_N
ClientSampled :

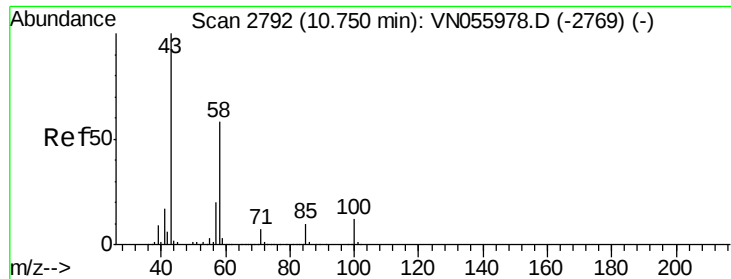
Tot Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
58 0.0 32.1 48.1#



#55
1,1,2-Trichloroethane
Concen: 0.520 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN056118.D
Acq: 7 Jun 2019 23:31

Tgt Ion: 97 Resp: 1636
Ion Ratio Lower Upper
97 100
83 92.8 67.0 100.6
85 56.9 44.0 66.0
99 70.9 50.6 75.8

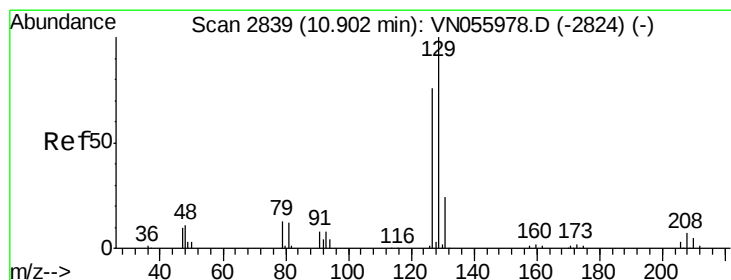
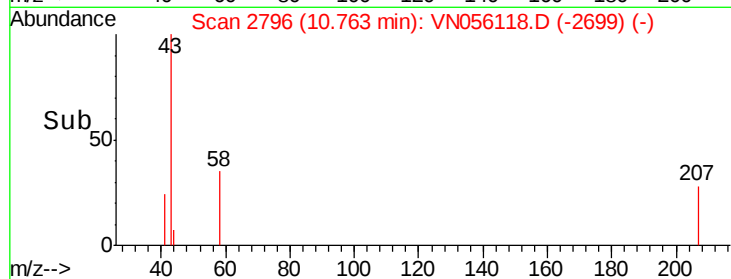
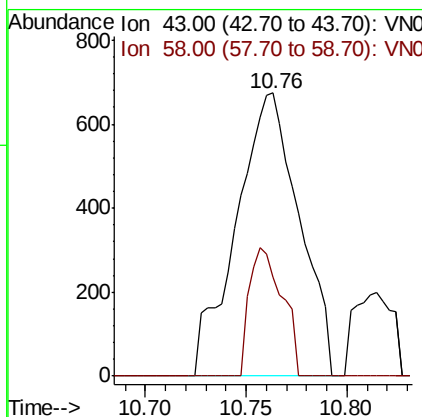
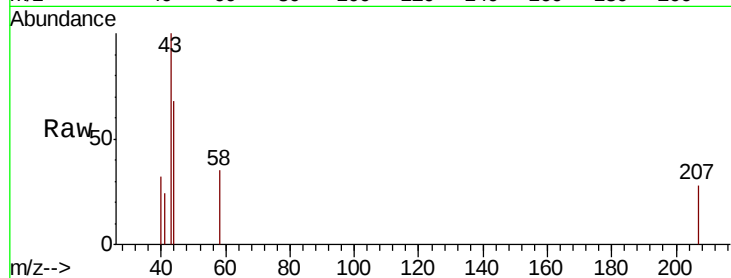




#59
2-Hexanone
Concen: 0.533 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN056118.D
Acq: 7 Jun 2019 23:31

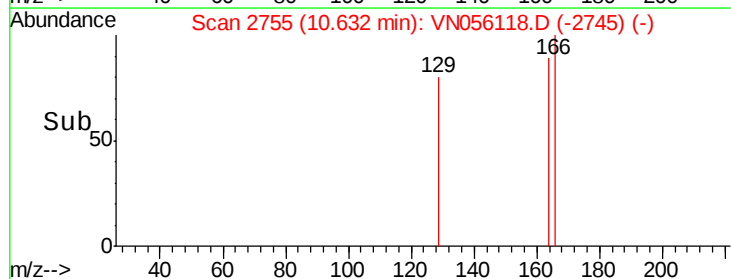
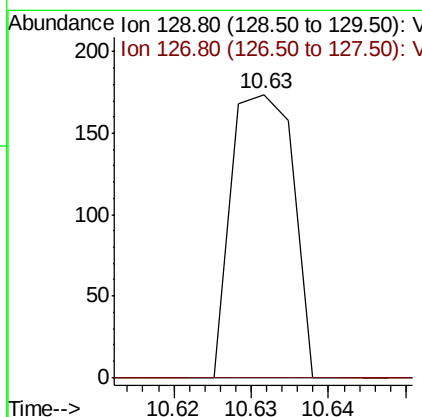
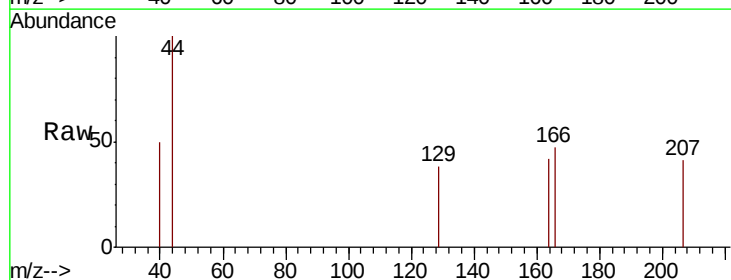
Instrument :
MSVOA_N
ClientSampleId :

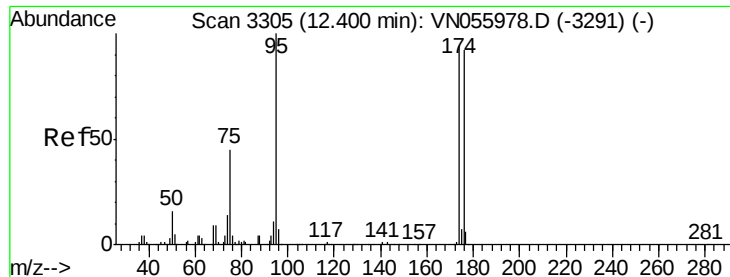
Tot Ion: 43 Resp: 1465
Ion Ratio Lower Upper
43 100
58 24.0 28.2 84.7#



#60
Dibromochloromethane
Concen: 2.478 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN056118.D
Acq: 7 Jun 2019 23:31

Tgt Ion: 129 Resp: 96
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.3#





#62

4-Bromofluorobenzene

Concen: 50.111 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

Instrument :

MSVOA_N

ClientSampled :

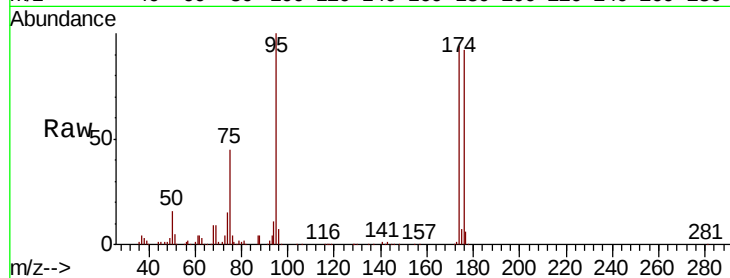
Tot Ion: 95 Resp: 196740

Ion Ratio Lower Upper

95 100

174 95.4 0.0 191.0

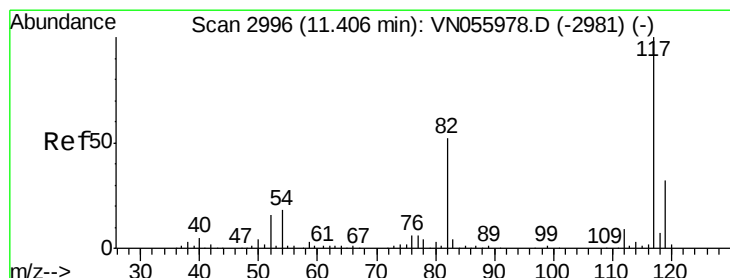
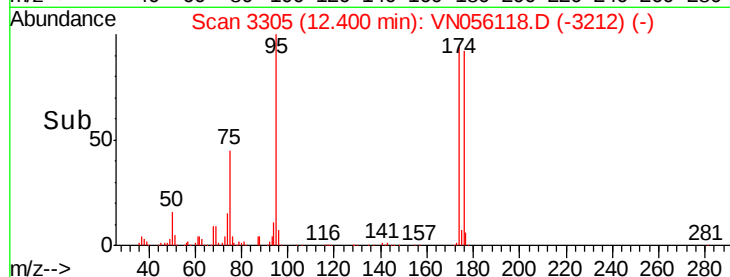
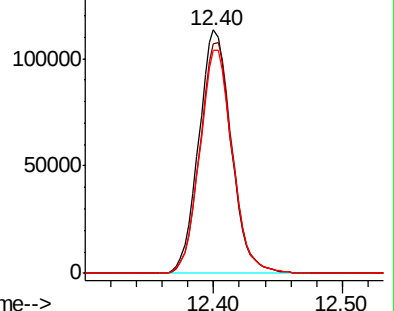
176 92.7 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

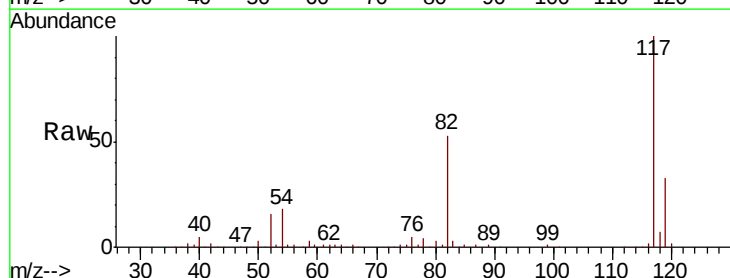
Tgt Ion: 117 Resp: 451285

Ion Ratio Lower Upper

117 100

82 52.6 41.8 62.8

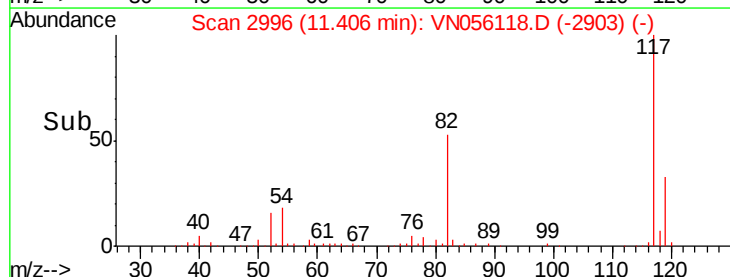
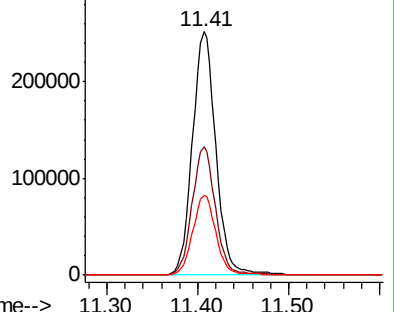
119 32.7 25.4 38.0

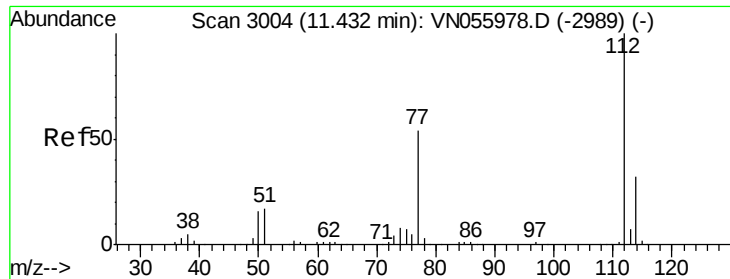


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)

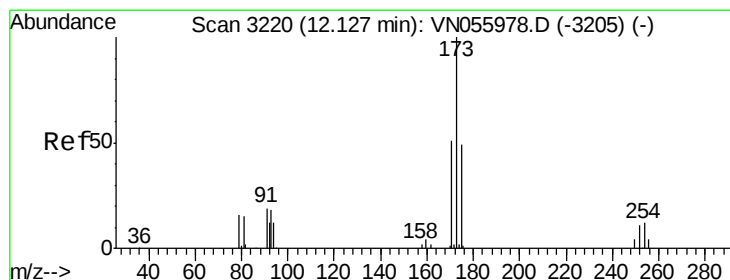
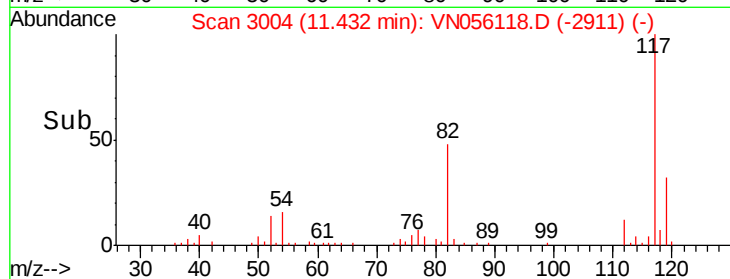
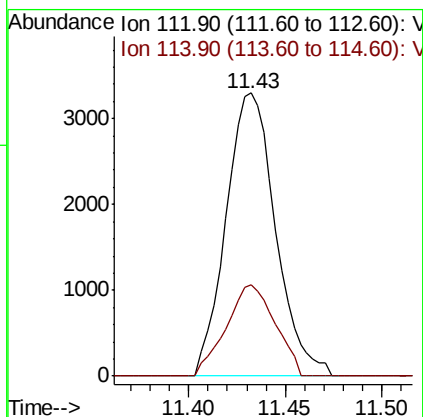
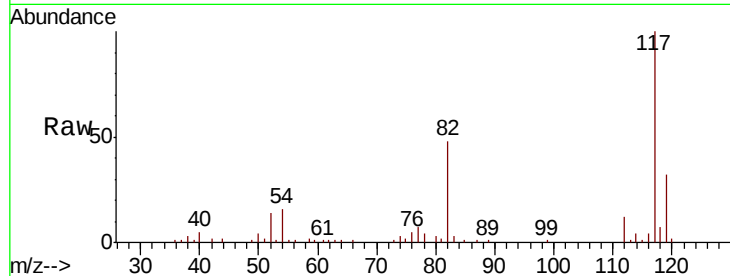




#65
Chlorobenzene
Concen: 0.653 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056118.D
Acq: 7 Jun 2019 23:31

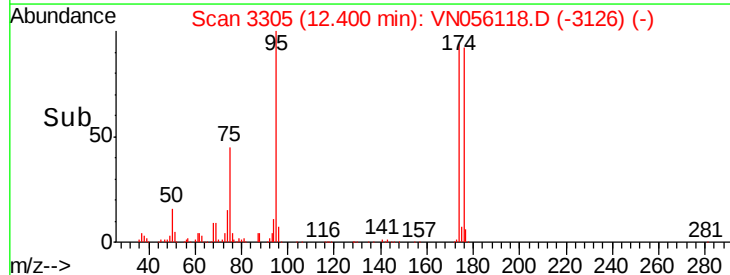
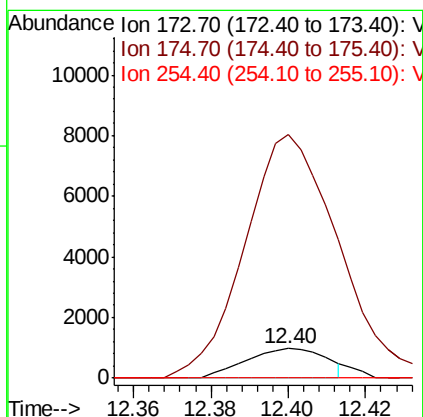
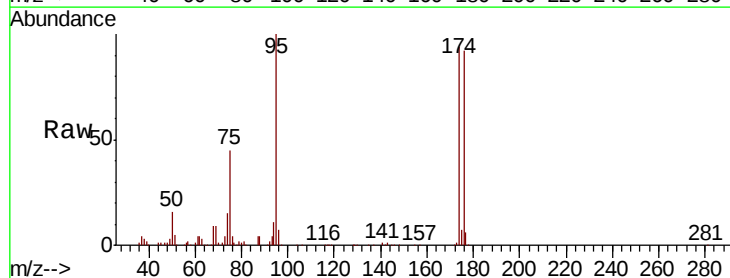
Instrument :
MSVOA_N
ClientSampled :

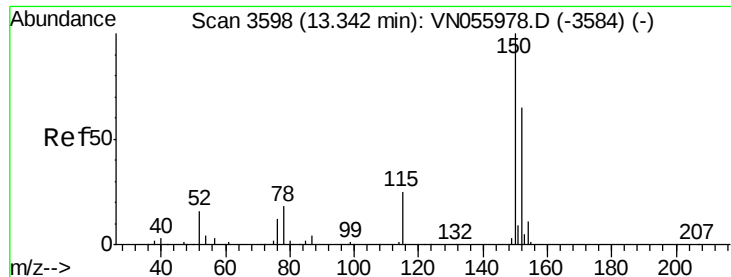
Tot Ion:112 Resp: 5865
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4



#71
Bromoform
Concen: 3.251 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056118.D
Acq: 7 Jun 2019 23:31

Tgt Ion:173 Resp: 1401
Ion Ratio Lower Upper
173 100
175 838.5 24.3 72.8#
254 0.0 0.0 0.0



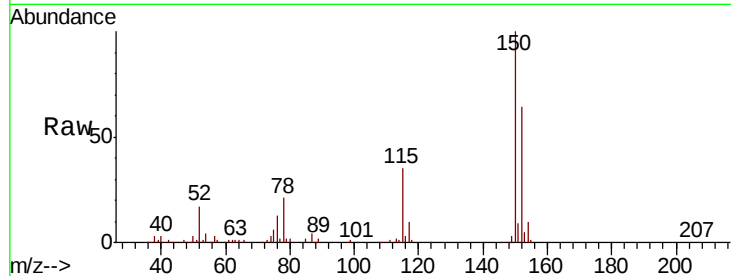


#72

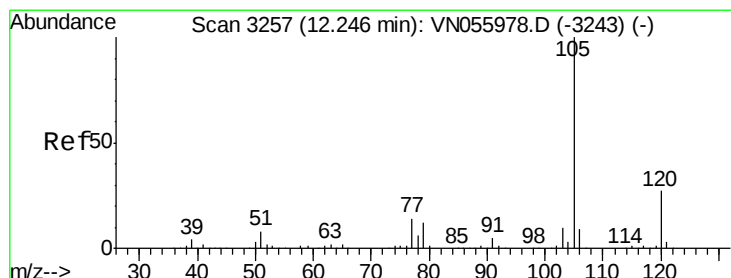
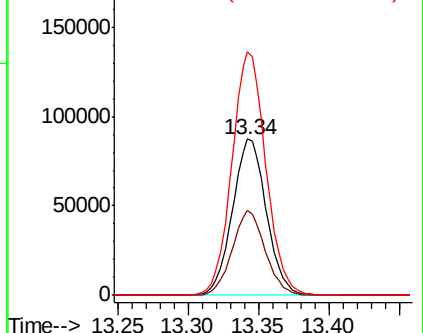
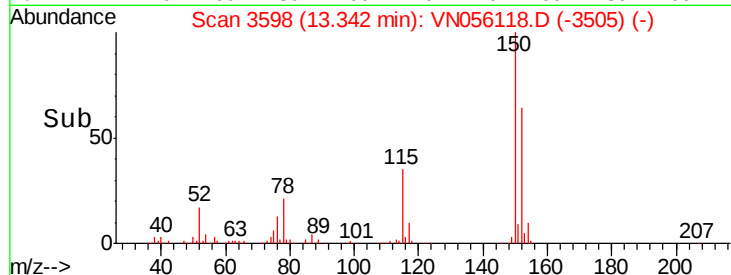
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056118.D
Acq: 7 Jun 2019 23:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 147154
Ion Ratio Lower Upper
152 100
115 52.7 27.0 81.0
150 155.8 0.0 343.2



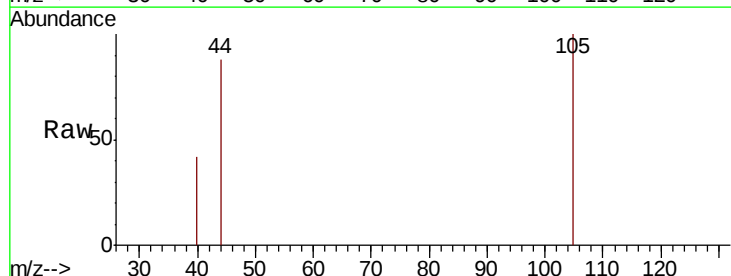
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



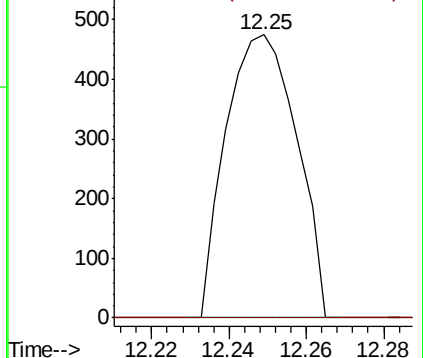
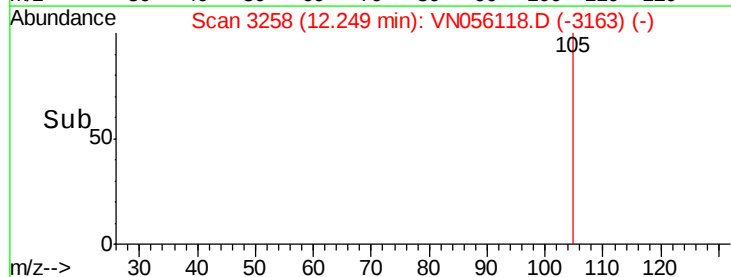
#73

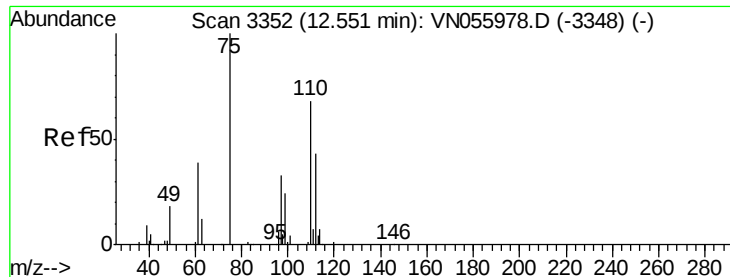
Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056118.D
Acq: 7 Jun 2019 23:31

Tgt Ion:105 Resp: 603
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 32.640 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

Instrument :

MSVOA_N

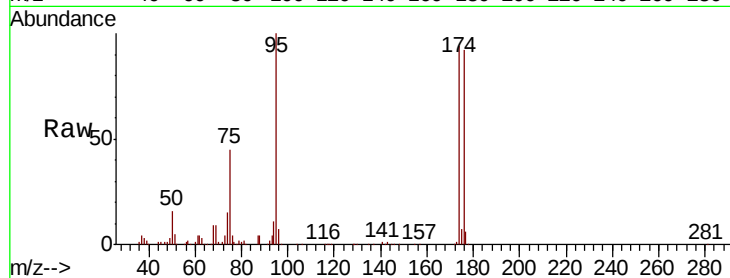
ClientSampleId :

Tot Ion: 75 Resp: 88378

Ion Ratio Lower Upper

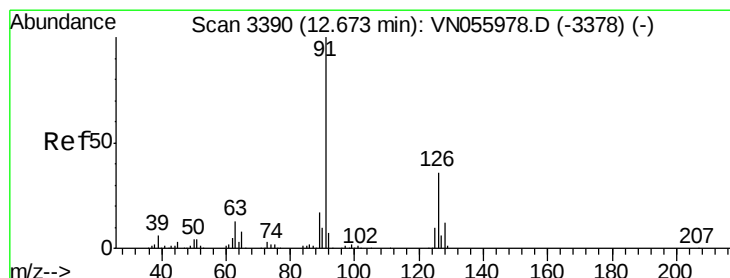
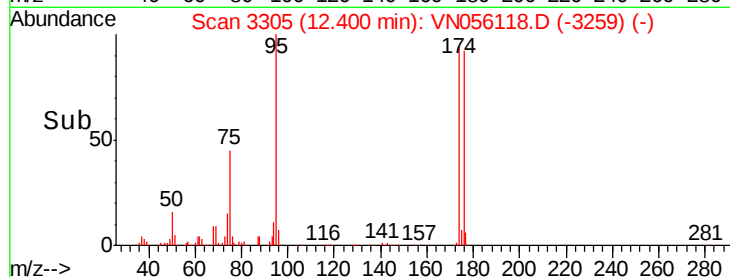
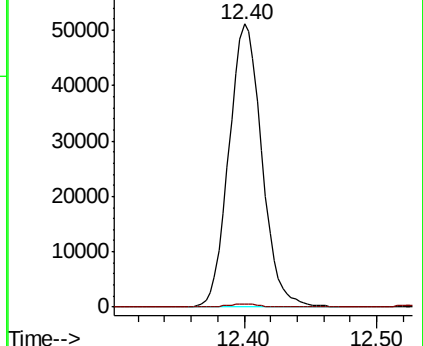
75 100

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



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056118.D

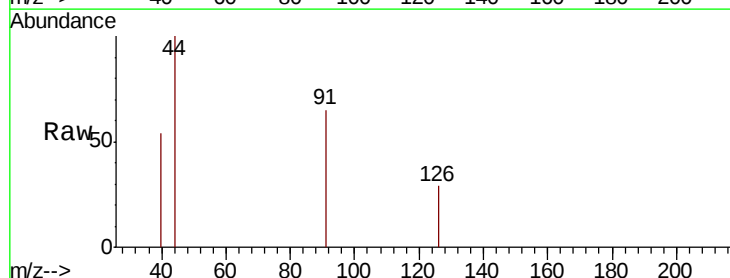
Acq: 7 Jun 2019 23:31

Tgt Ion: 91 Resp: 494

Ion Ratio Lower Upper

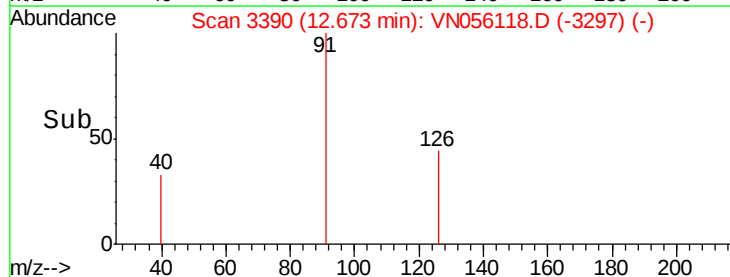
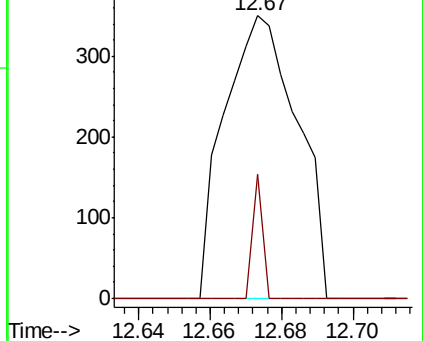
91 100

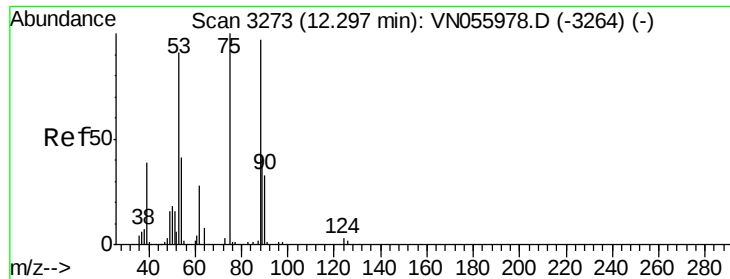
126 6.1 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 108.696 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

Instrument :

MSVOA_N

ClientSampleId :

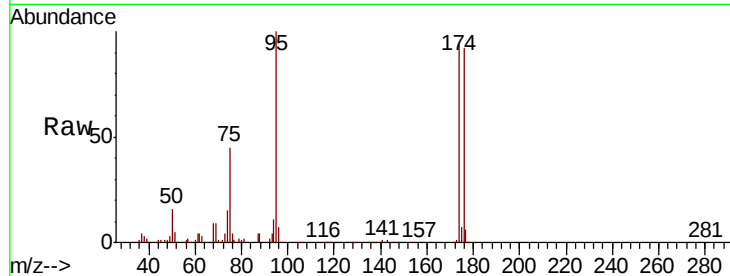
Tot Ion: 75 Resp: 88378

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

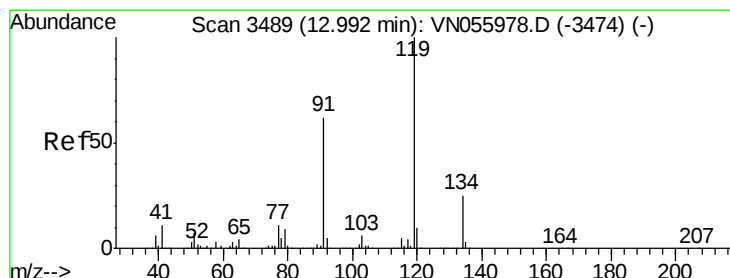
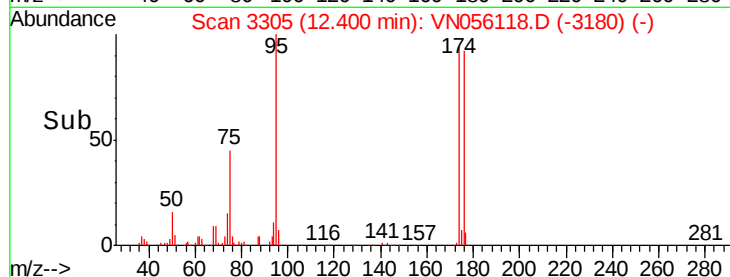
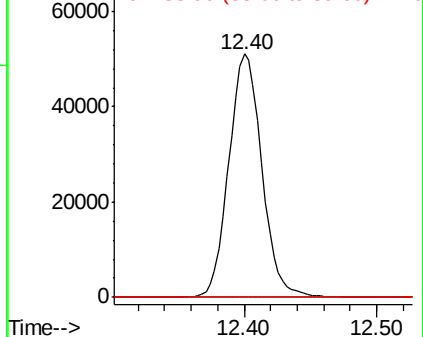
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

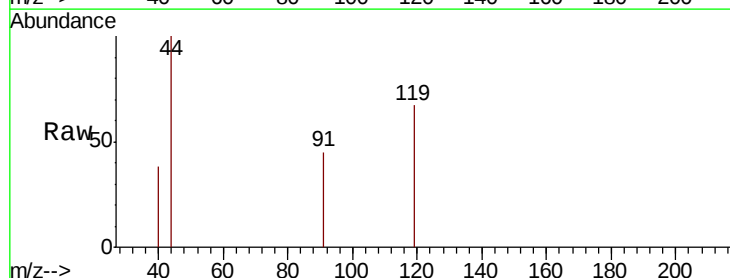
Tgt Ion: 119 Resp: 396

Ion Ratio Lower Upper

119 100

91 51.3 30.9 92.8

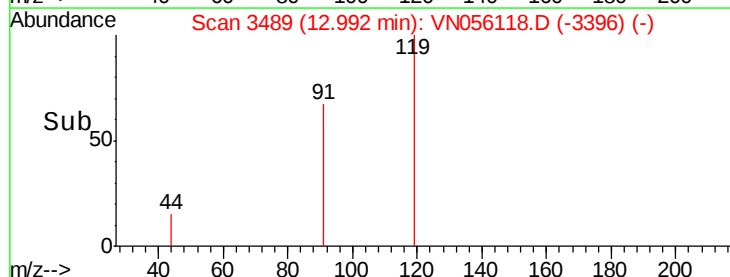
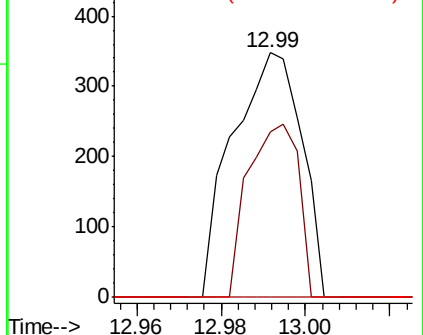
134 0.0 13.3 39.8#

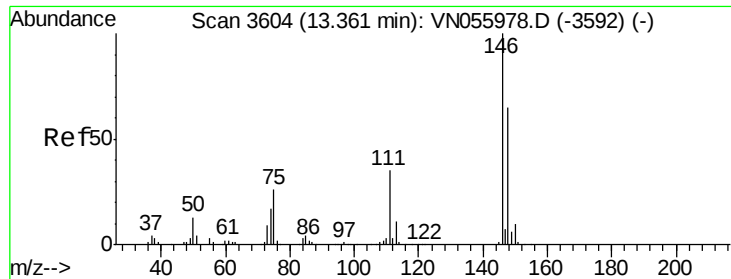


Abundance Ion 119.00 (118.70 to 119.70): VN055978.D (-3474) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-3474) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3474) (-)





#88

1,4-Dichlorobenzene

Concen: 0.230 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

Instrument :

MSVOA_N

ClientSampled :

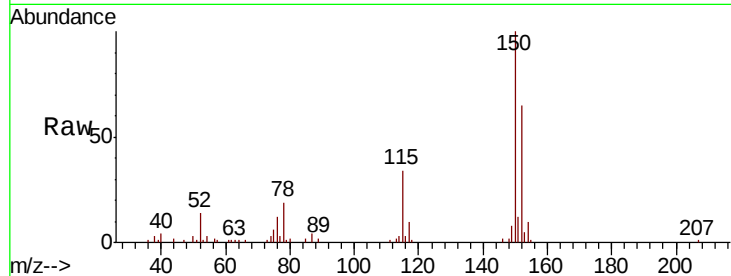
Tot Ion:146 Resp: 1077

Ion Ratio Lower Upper

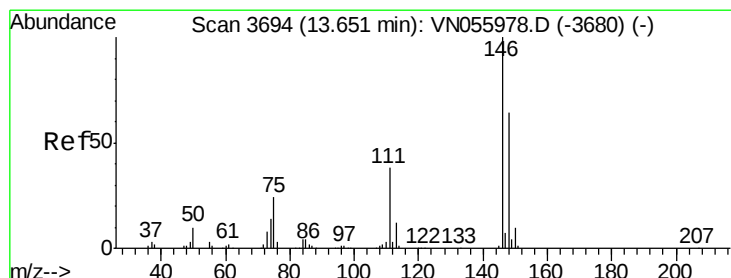
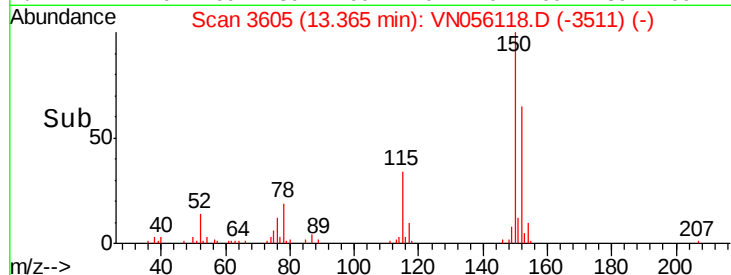
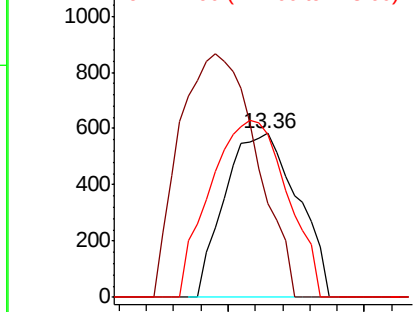
146 100

111 156.8 18.1 54.4#

148 114.5 32.1 96.5#



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 0.289 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

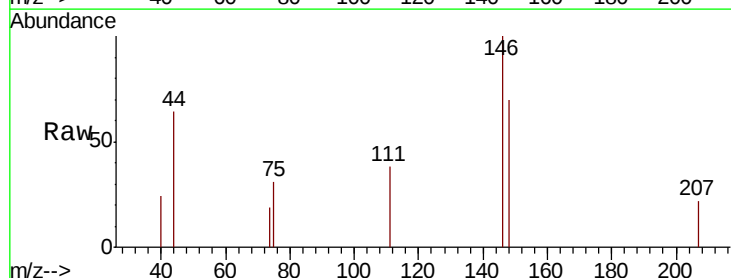
Tgt Ion:146 Resp: 1423

Ion Ratio Lower Upper

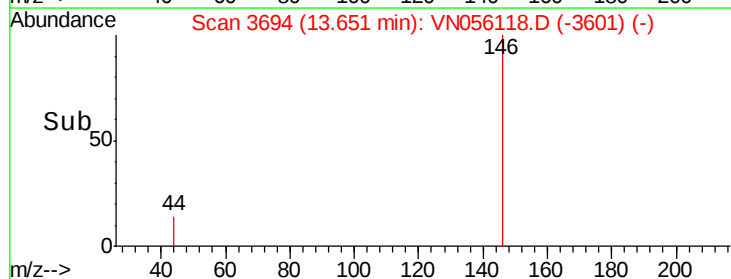
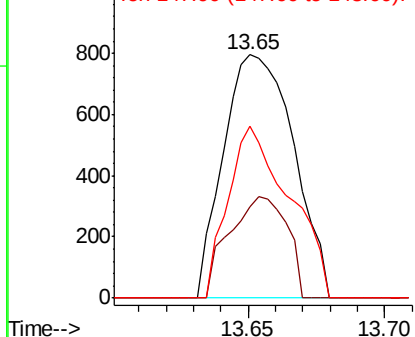
146 100

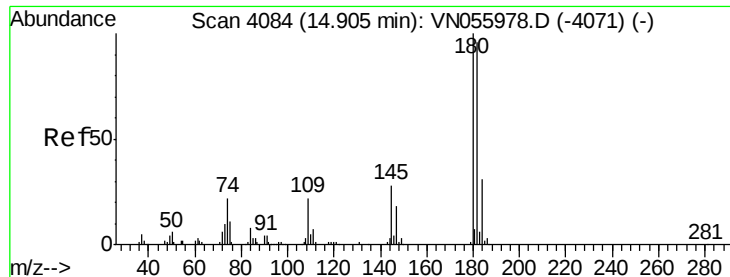
111 34.2 19.1 57.5

148 62.0 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

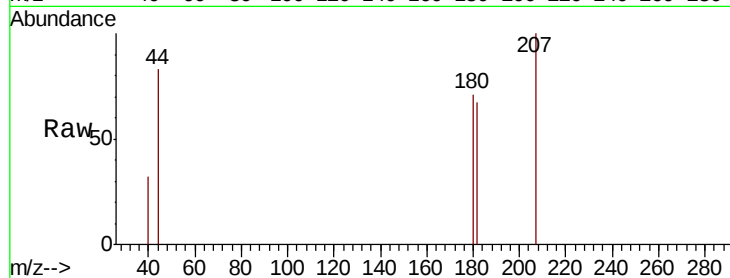




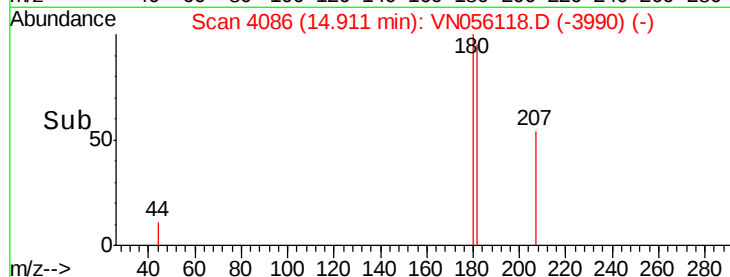
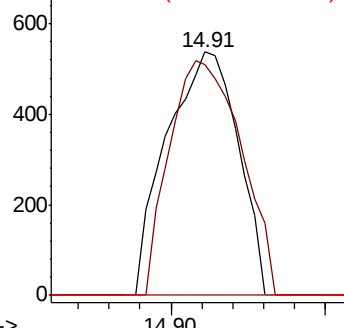
#93
 1,2,4-Trichlorobenzene
 Concen: 4.561 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN056118.D
 Acq: 7 Jun 2019 23:31

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 864
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.3 144.9
 145 0.0 14.0 41.9#

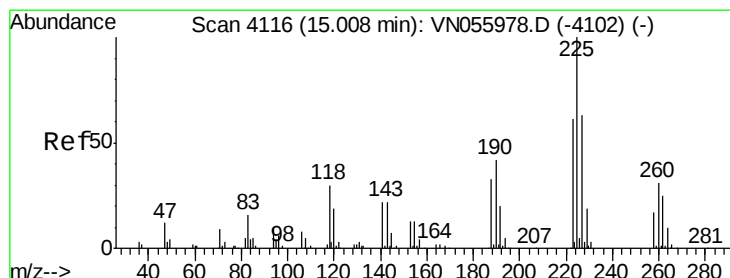


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

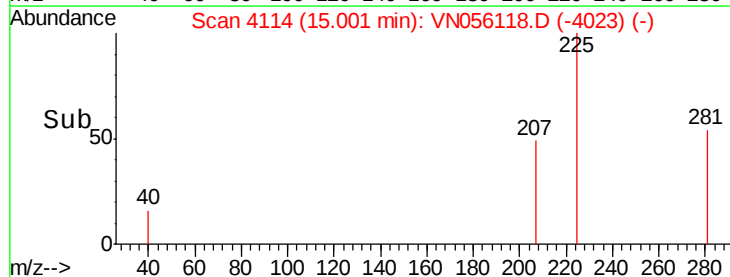
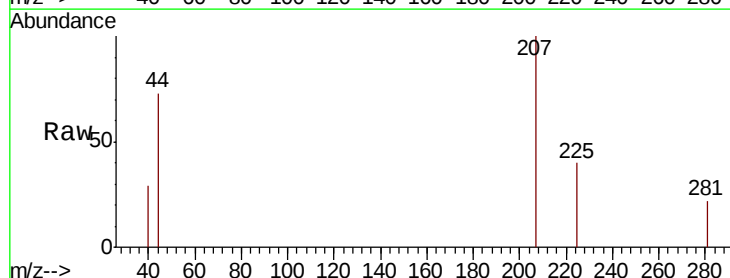
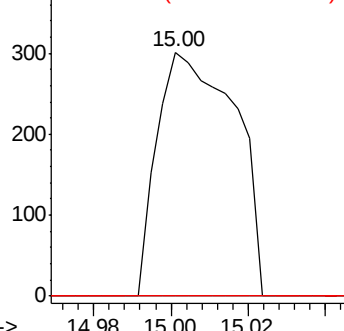


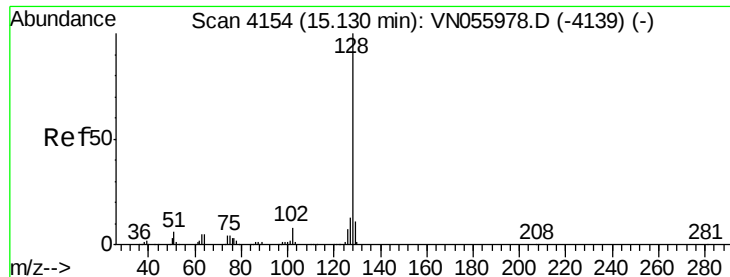
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.01 min
 Lab File: VN056118.D
 Acq: 7 Jun 2019 23:31

Tgt Ion:225 Resp: 421
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.9 92.7#
 227 0.0 31.6 94.7#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.322 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

Instrument :

MSVOA_N

ClientSampled :

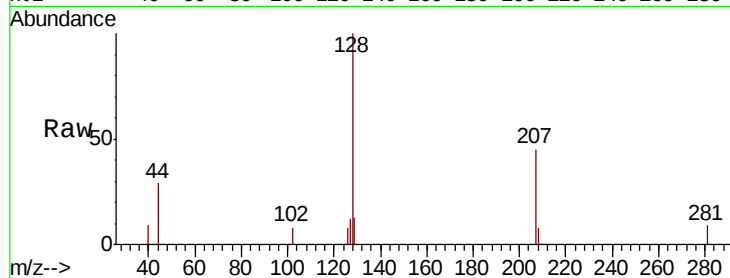
Tot Ion:128 Resp: 3591

Ion Ratio Lower Upper

128 100

127 8.4 10.3 15.5#

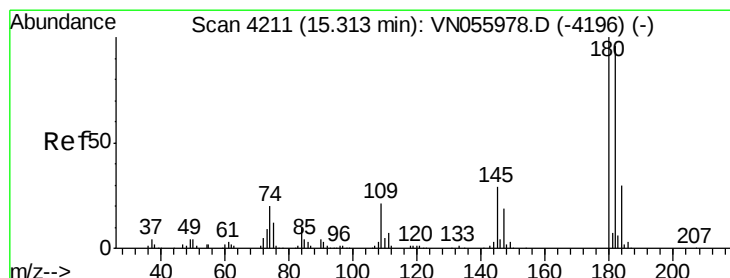
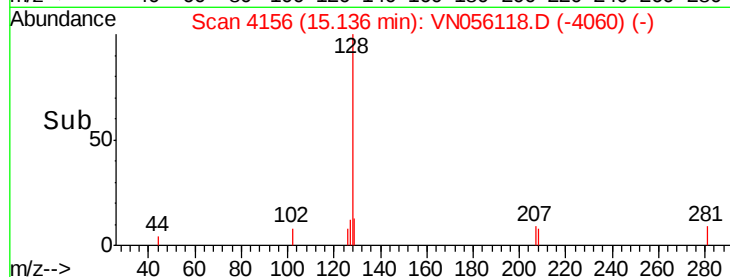
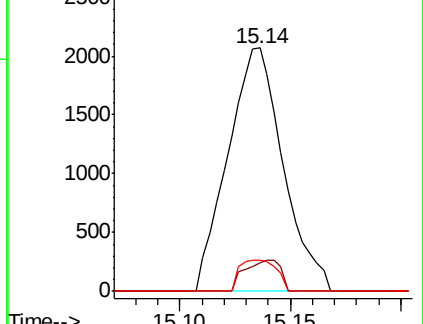
129 8.7 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.481 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056118.D

Acq: 7 Jun 2019 23:31

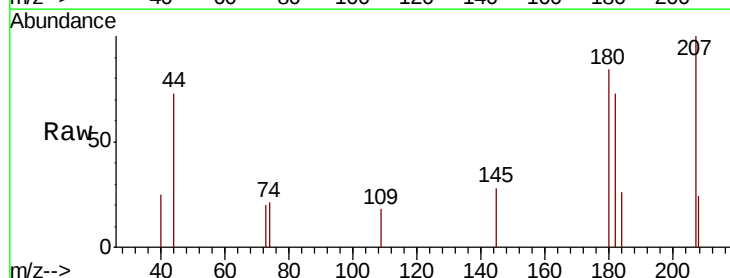
Tgt Ion:180 Resp: 1323

Ion Ratio Lower Upper

180 100

182 92.7 47.9 143.7

145 29.4 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

