

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032419\
 Data File : VN054654.D
 Acq On : 24 Mar 2019 17:53
 Operator : JC/SP
 Sample : K2047-15
 Misc : 6.07g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 06:17:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

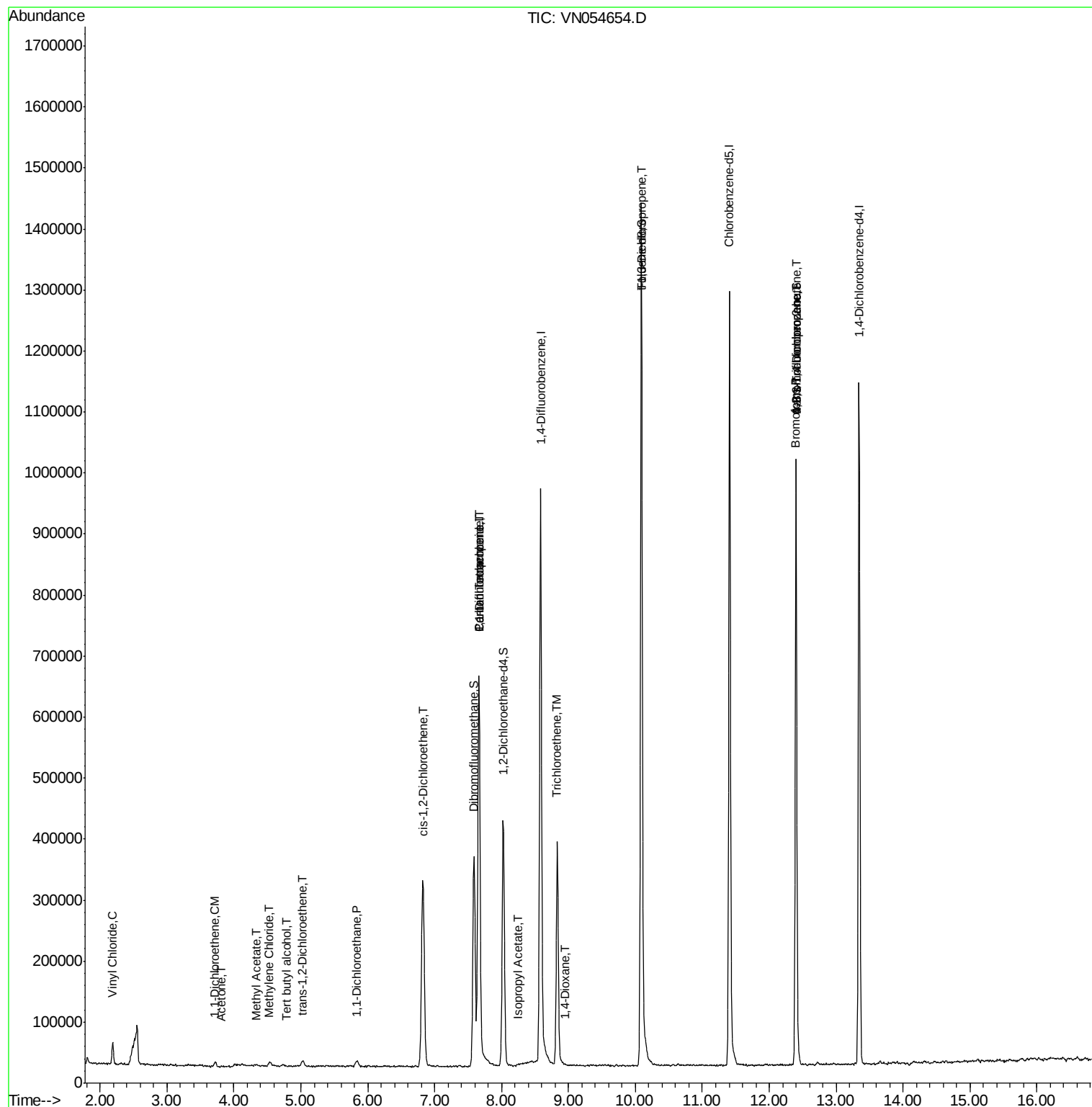
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	537405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	873488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	746843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	298926	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	347562	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
35) Dibromofluoromethane	7.59	113	265121	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
50) Toluene-d8	10.09	98	1045149	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.40	95	336522	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.19	62	32885	4.686	ug/l	98
11) Tert butyl alcohol	4.78	59	132	0.326	ug/l #	70
12) 1,1-Dichloroethene	3.71	96	1208	0.233	ug/l #	43
16) Acetone	3.82	43	402	0.200	ug/l #	38
18) Methyl Acetate	4.33	43	2658	0.593	ug/l #	76
20) Methylene Chloride	4.54	84	4230	0.714	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	5759	1.088	ug/l #	90
24) 1,1-Dichloroethane	5.83	63	13734	1.325	ug/l #	90
27) cis-1,2-Dichloroethene	6.82	96	195628	30.987	ug/l	97
31) Cyclohexane	7.66	56	11877	Below Cal	#	14
36) 1,1-Dichloropropene	7.66	75	40512	4.960	ug/l #	47
38) Carbon Tetrachloride	7.66	117	51531	6.493	ug/l #	16
43) Isopropyl Acetate	8.26	43	2467	0.251	ug/l #	60
44) Trichloroethene	8.83	130	138746	21.369	ug/l	93
49) 1,4-Dioxane	8.96	88	30	0.504	ug/l #	1
53) t-1,3-Dichloropropene	10.10	75	131	2.247	ug/l #	87
71) Bromoform	12.39	173	384	2.318	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	174545	36.797	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	174545	121.976	ug/l #	11

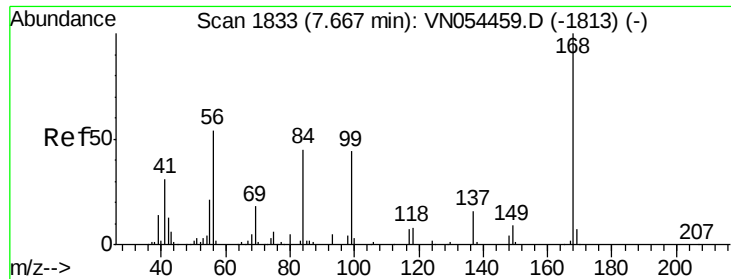
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VN054654.D

Acq: 24 Mar 2019 17:53

Instrument :

MSVOA_N

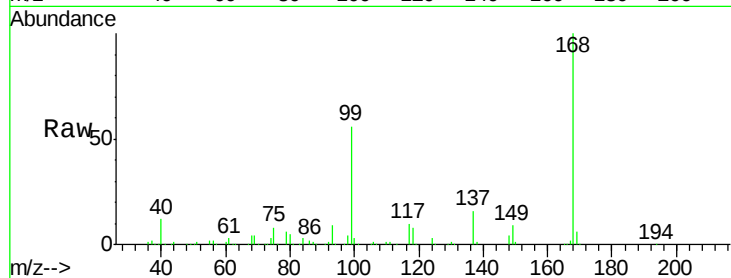
ClientSampled :

Tot Ion:168 Resp: 537405

Ion Ratio Lower Upper

168 100

99 55.7 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): VN054459.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054459.D (-1813) (-)

7.66

250000

200000

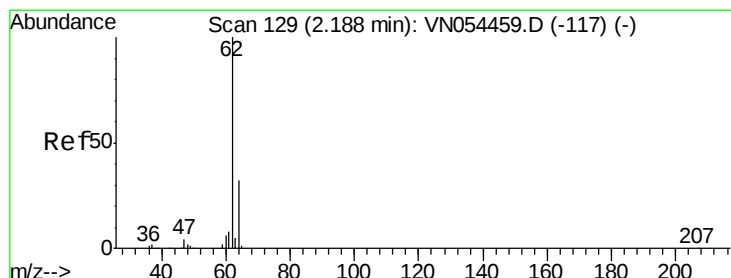
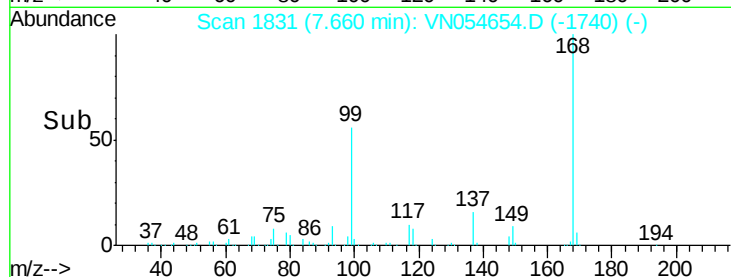
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#4

Vinyl Chloride

Concen: 4.686 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054654.D

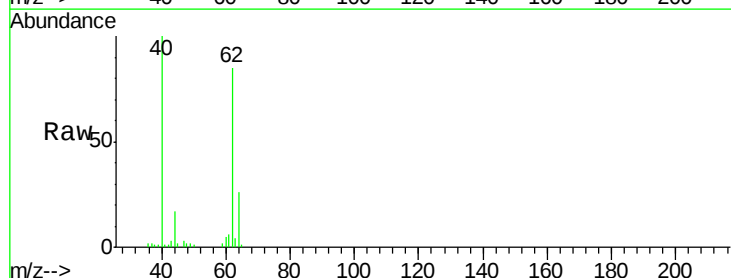
Acq: 24 Mar 2019 17:53

Tgt Ion: 62 Resp: 32885

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN054459.D (-117) (-)

Ion 63.90 (63.60 to 64.60): VN054459.D (-117) (-)

2.19

25000

20000

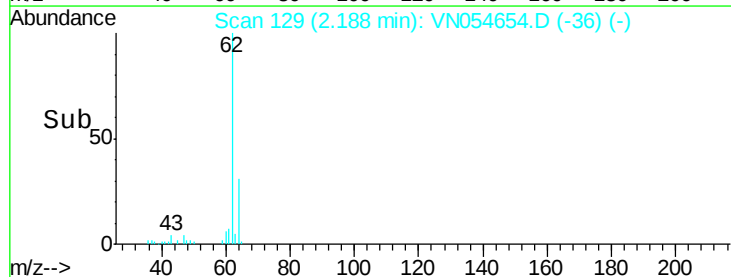
15000

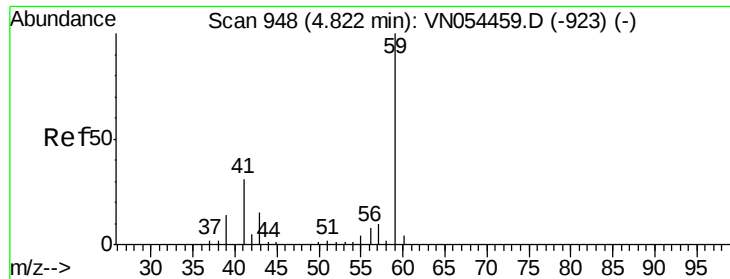
10000

5000

0

Time--> 2.15 2.20 2.25

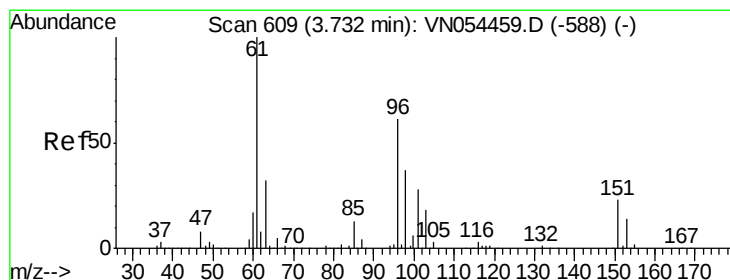
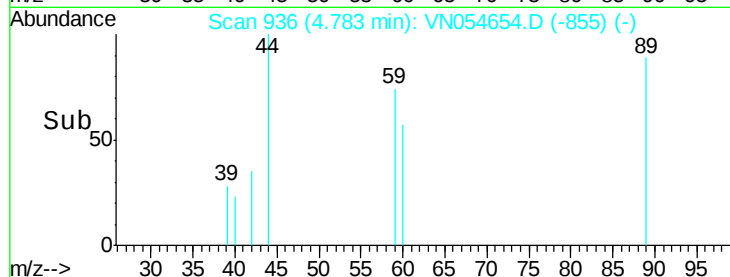
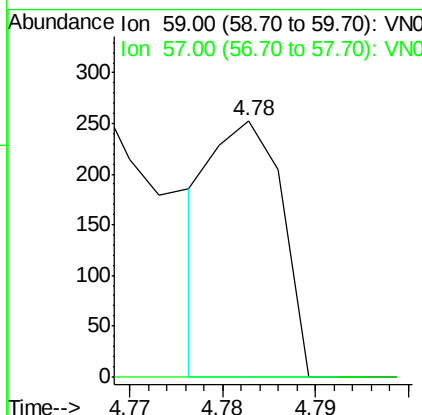
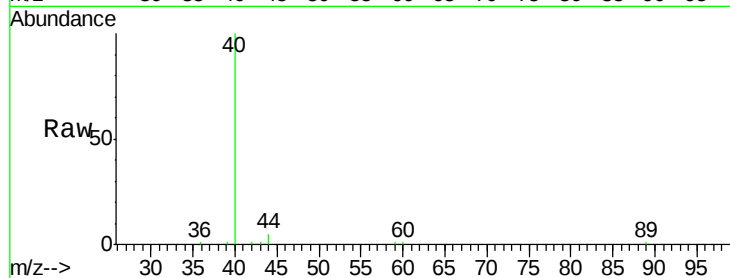




#11
Tert butyl alcohol
Concen: 0.326 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.04 min
Lab File: VN054654.D
Acq: 24 Mar 2019 17:53

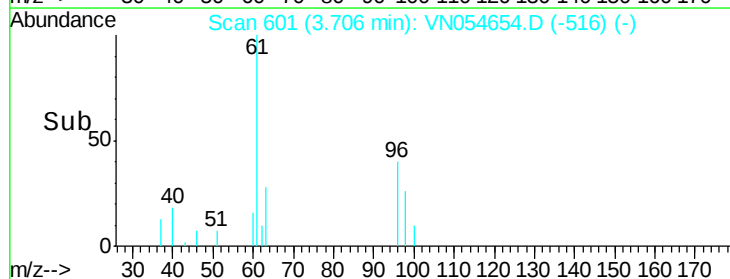
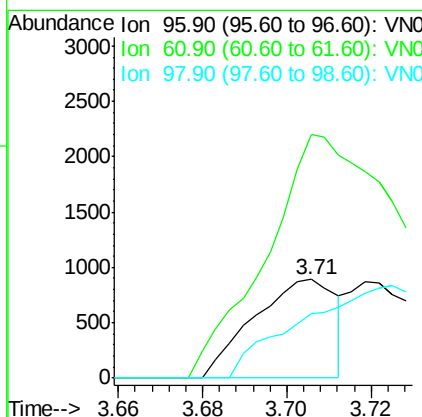
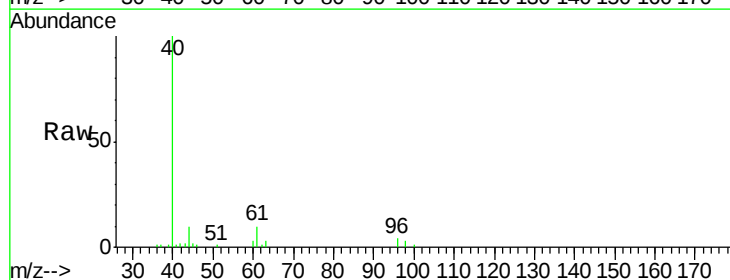
Instrument :
MSVOA_N
ClientSampleId :

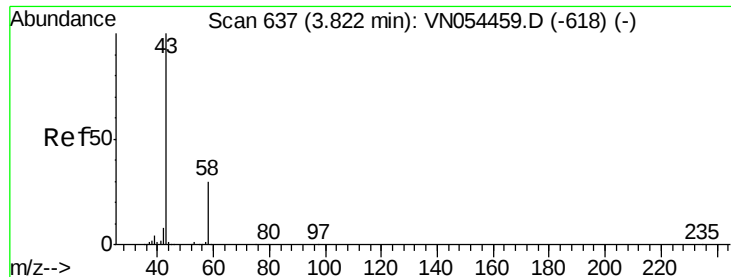
Tot Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#12
1,1-Dichloroethene
Concen: 0.233 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.03 min
Lab File: VN054654.D
Acq: 24 Mar 2019 17:53

Tgt Ion: 96 Resp: 1208
Ion Ratio Lower Upper
96 100
61 247.4 116.5 174.7#
98 65.5 51.0 76.4

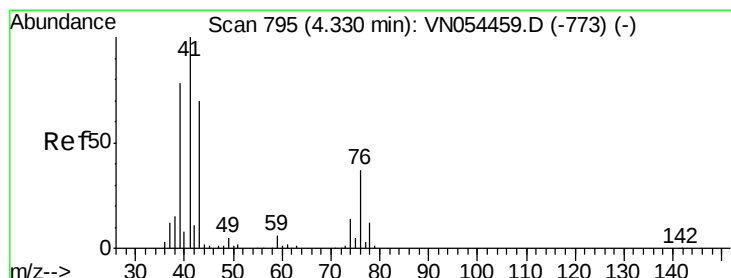
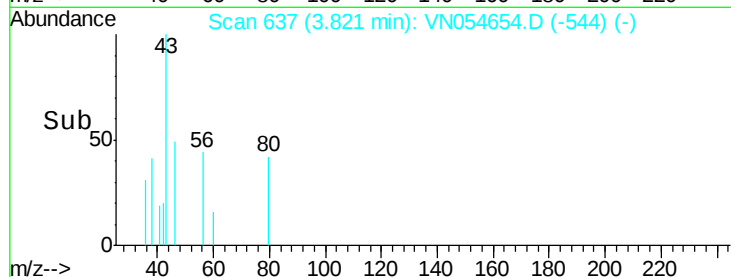
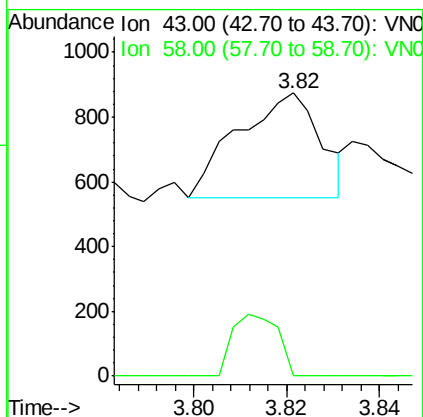
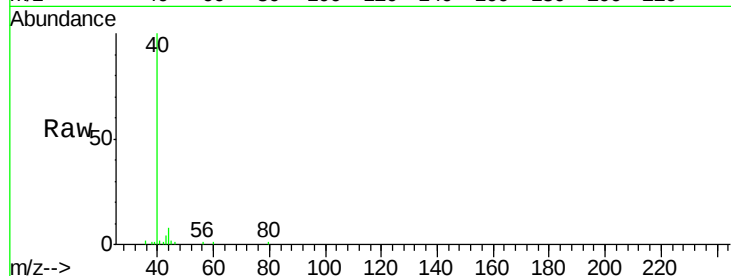




#16
Acetone
Concen: 0.200 ug/l
RT: 3.82 min Scan# 637
Delta R.T. -0.00 min
Lab File: VN054654.D
Acq: 24 Mar 2019 17:53

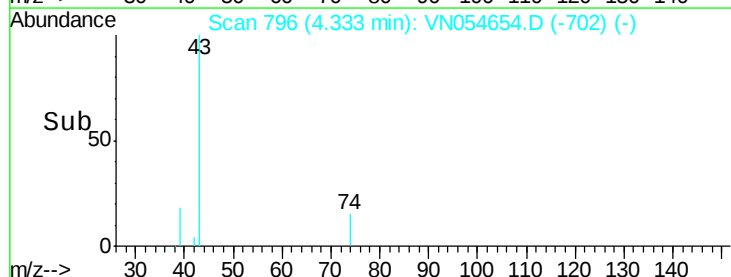
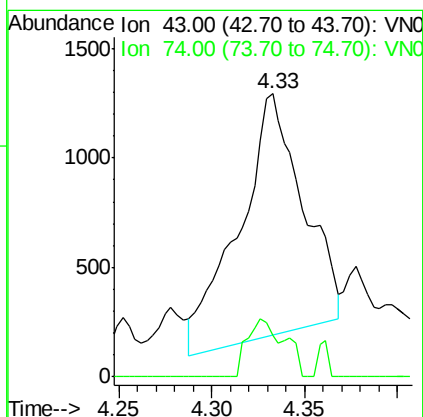
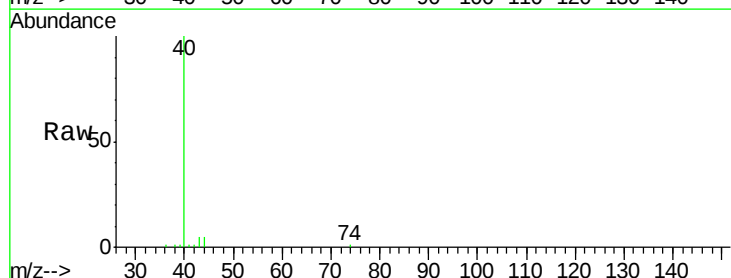
Instrument :
MSVOA_N
ClientSampleId :

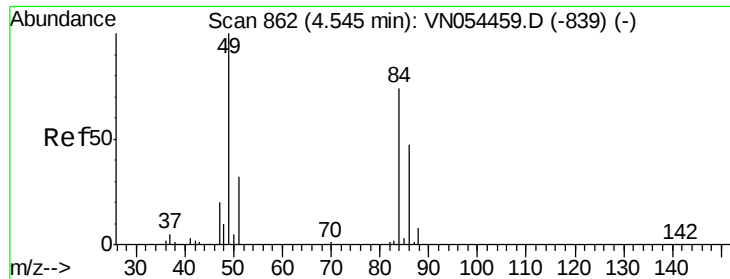
Tot Ion: 43 Resp: 402
Ion Ratio Lower Upper
43 100
58 0.0 29.9 44.9#



#18
Methyl Acetate
Concen: 0.593 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054654.D
Acq: 24 Mar 2019 17:53

Tgt Ion: 43 Resp: 2658
Ion Ratio Lower Upper
43 100
74 13.9 20.8 31.2#

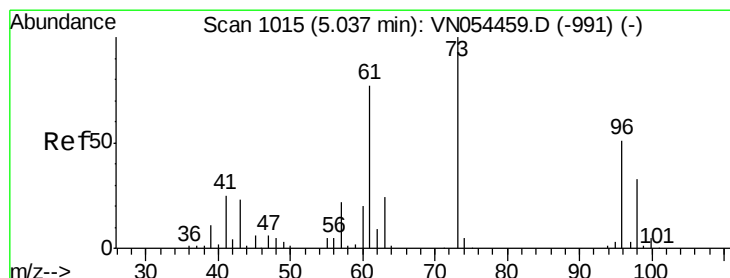
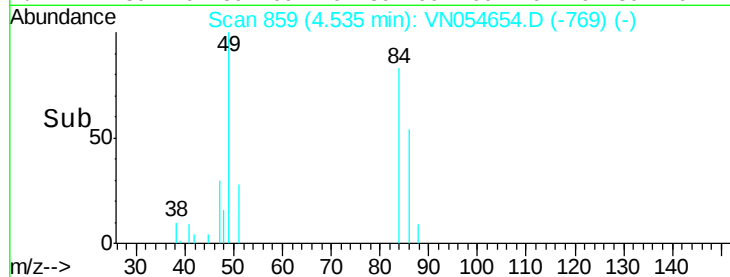
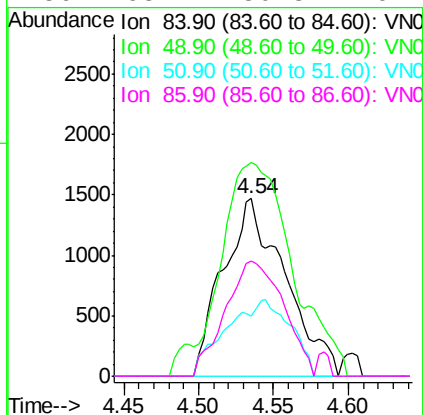
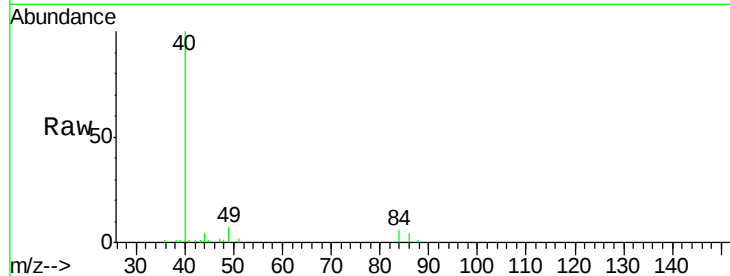




#20
Methvlene Chloride
Concen: 0.714 ug/l
RT: 4.54 min Scan# 859
Delta R.T. -0.01 min
Lab File: VN054654.D
Acq: 24 Mar 2019 17:53

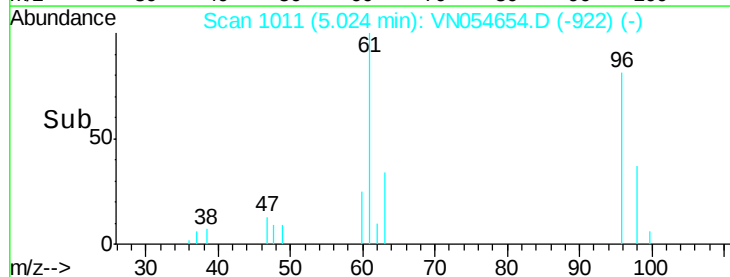
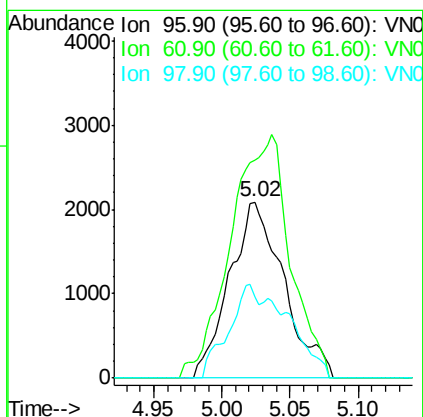
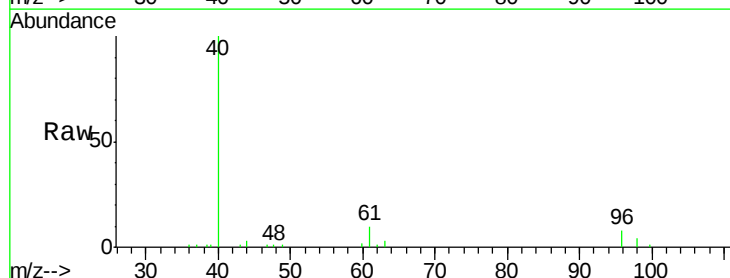
Instrument :
MSVOA_N
ClientSampled :

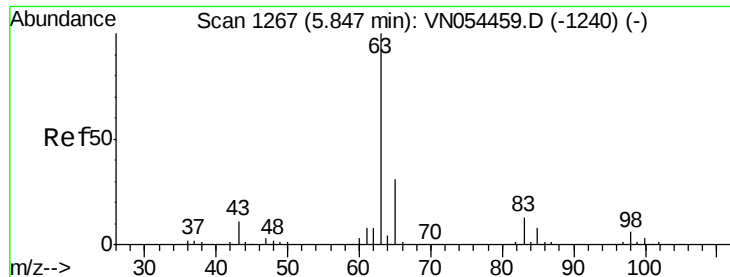
Tot Ion: 84 Resp: 4230
Ion Ratio Lower Upper
84 100
49 105.0 89.7 134.5
51 33.7 28.2 42.4
86 65.2 50.8 76.2



#21
trans-1,2-Dichloroethene
Concen: 1.088 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN054654.D
Acq: 24 Mar 2019 17:53

Tgt Ion: 96 Resp: 5759
Ion Ratio Lower Upper
96 100
61 123.6 102.8 154.2
98 45.9 50.0 75.0#

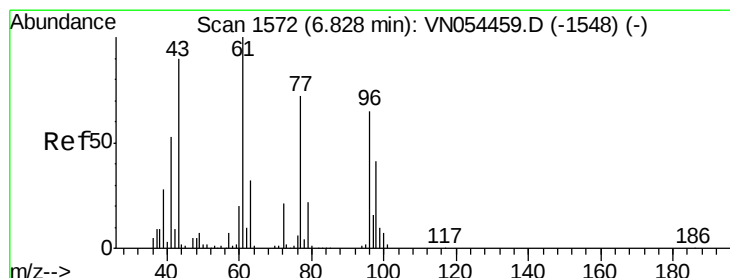
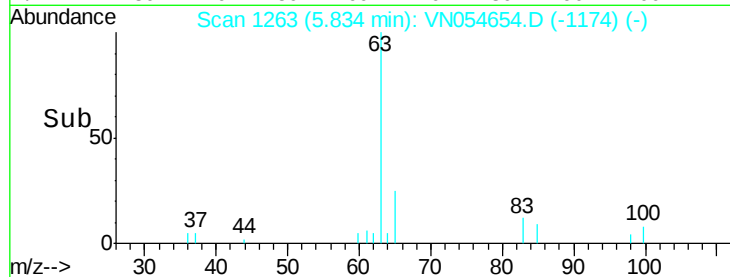
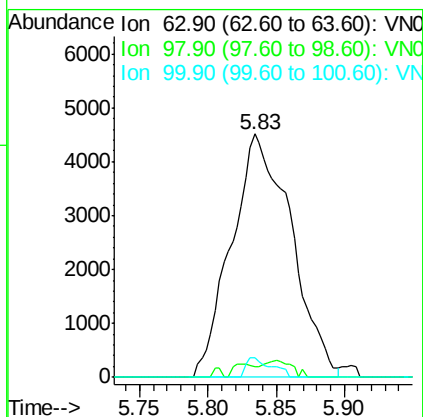
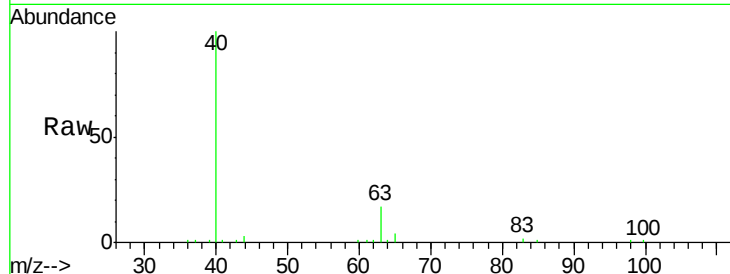




#24
 1,1-Dichloroethane
 Concen: 1.325 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VN054654.D
 Acq: 24 Mar 2019 17:53

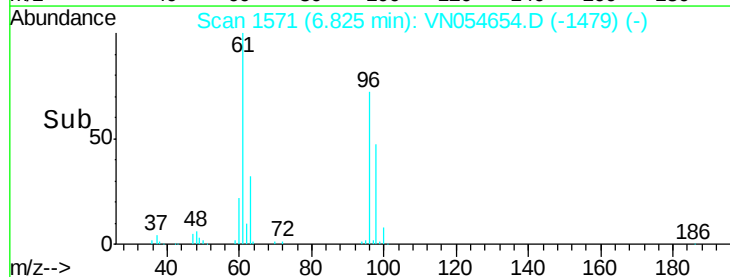
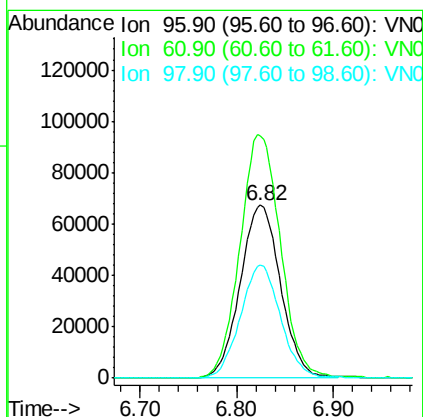
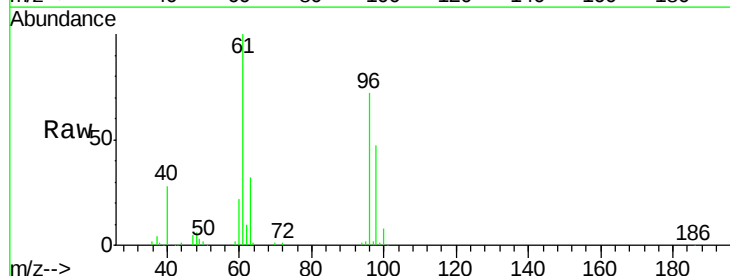
Instrument :
 MSVOA_N
 ClientSampleId :

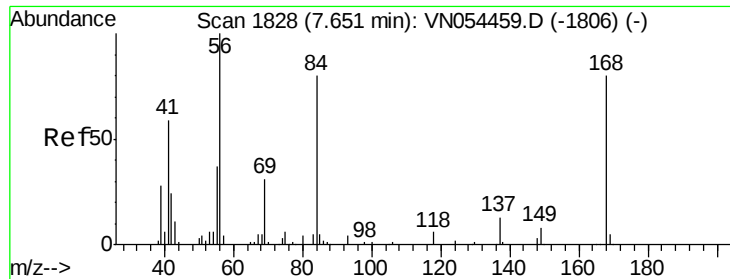
Tot Ion: 63 Resp: 13734
 Ion Ratio Lower Upper
 63 100
 98 4.2 3.5 10.5
 100 8.0 2.0 6.0#



#27
 cis-1,2-Dichloroethene
 Concen: 30.987 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN054654.D
 Acq: 24 Mar 2019 17:53

Tgt Ion: 96 Resp: 195628
 Ion Ratio Lower Upper
 96 100
 61 140.8 0.0 273.0
 98 64.9 0.0 130.6





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054654.D

Acq: 24 Mar 2019 17:53

Instrument :
MSVOA_N
ClientSampled :

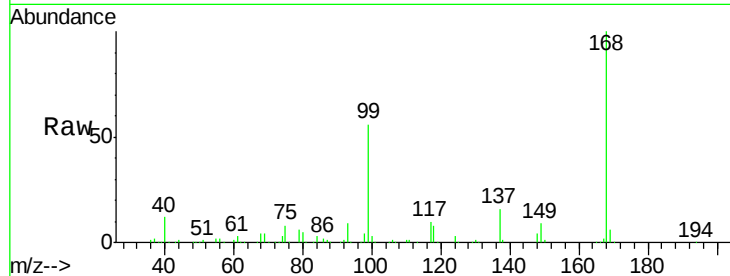
Tot Ion: 56 Resp: 11877

Ion Ratio Lower Upper

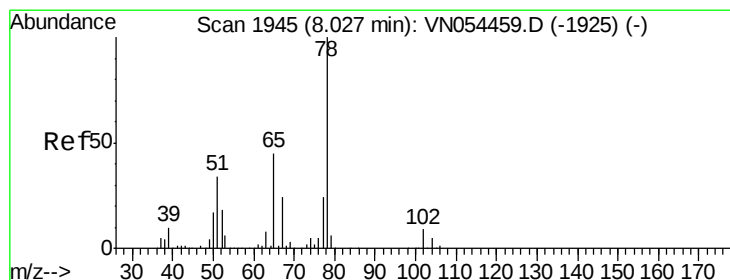
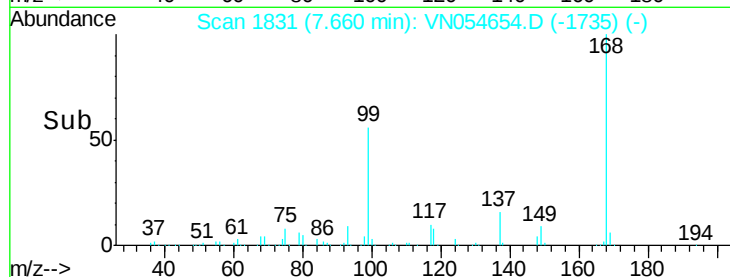
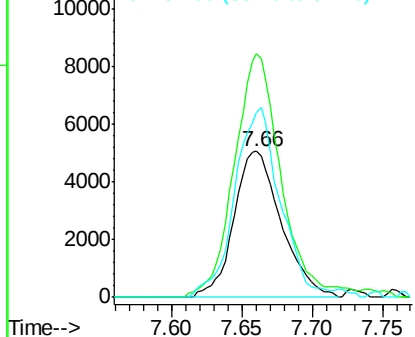
56 100

69 163.5 27.8 41.6#

84 126.7 74.6 111.8#



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



#33

1,2-Dichloroethane-d4

Concen: 51.996 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054654.D

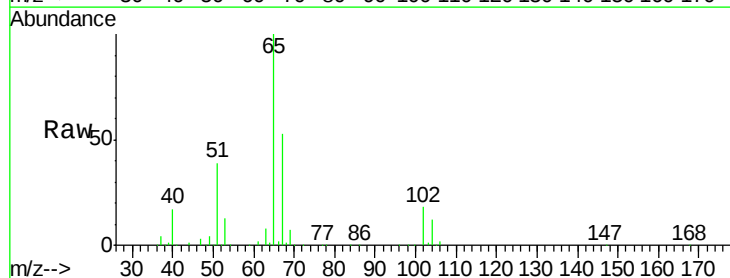
Acq: 24 Mar 2019 17:53

Tgt Ion: 65 Resp: 347562

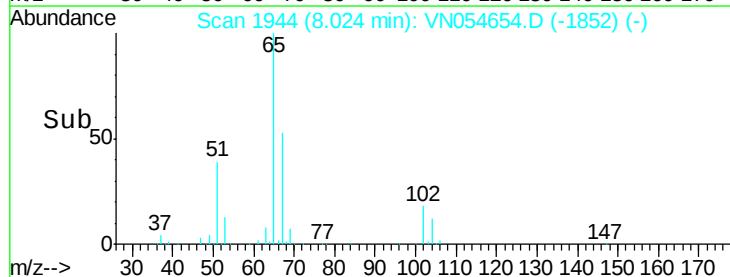
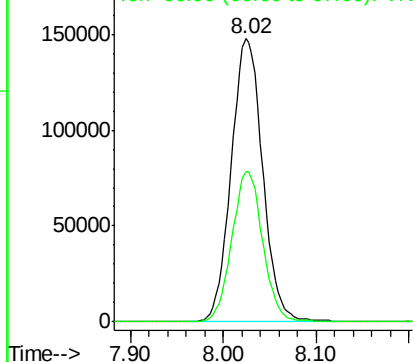
Ion Ratio Lower Upper

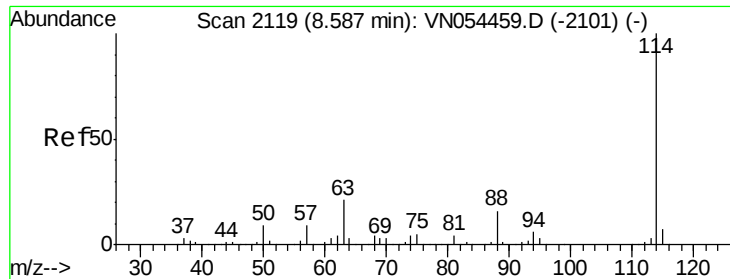
65 100

67 52.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054654.D

Acq: 24 Mar 2019 17:53

Instrument :

MSVOA_N

ClientSampled :

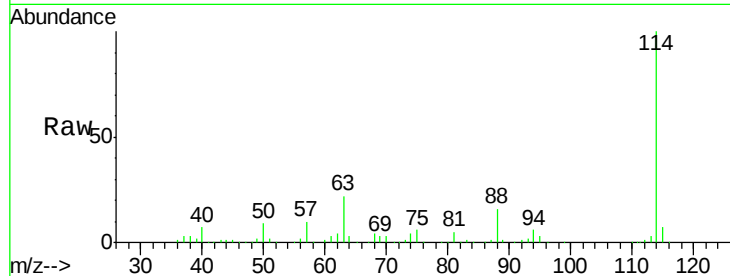
Tot Ion:114 Resp: 873488

Ion Ratio Lower Upper

114 100

63 22.0 0.0 35.2

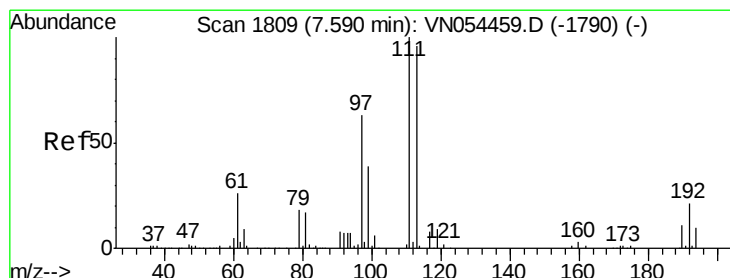
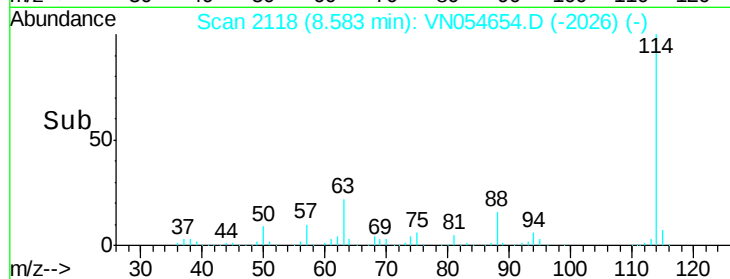
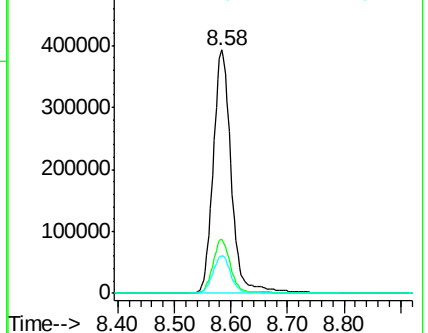
88 15.6 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.112 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054654.D

Acq: 24 Mar 2019 17:53

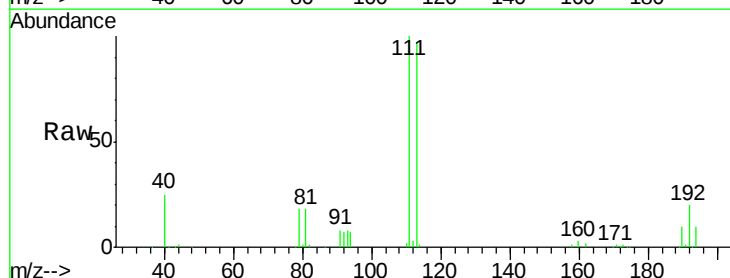
Tgt Ion:113 Resp: 265121

Ion Ratio Lower Upper

113 100

111 100.9 82.2 123.4

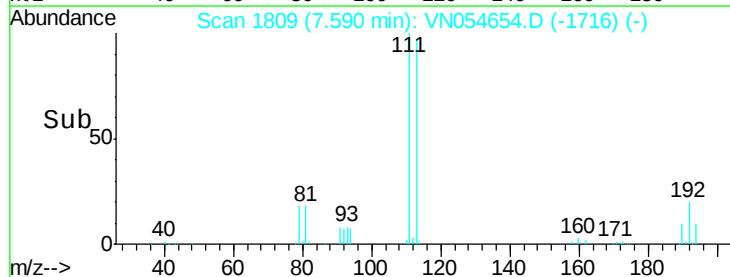
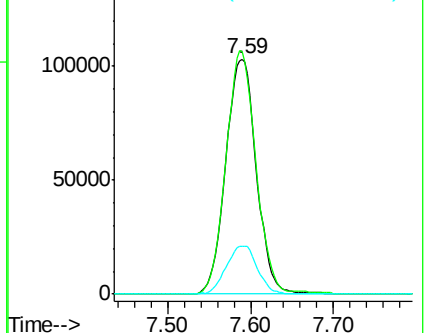
192 20.9 19.2 28.8

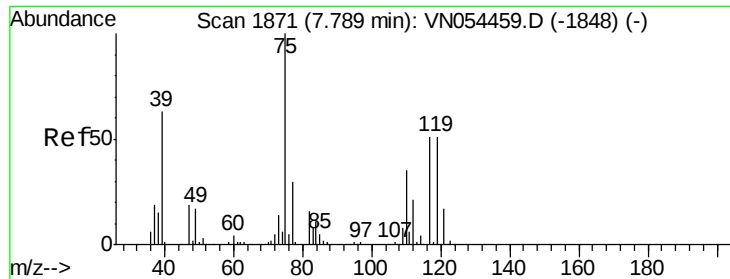


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

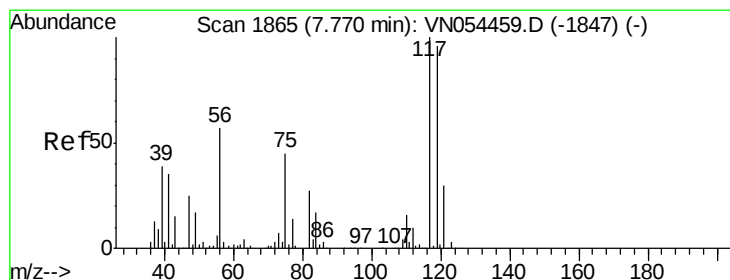
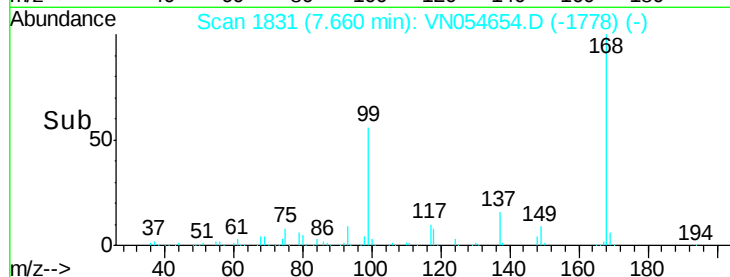
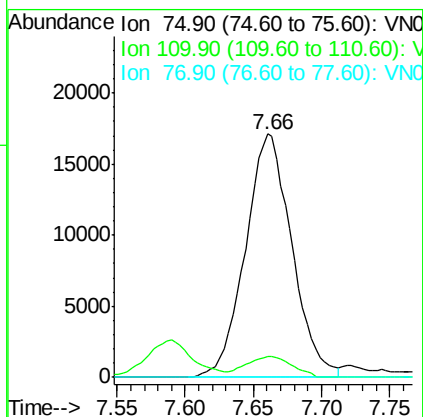
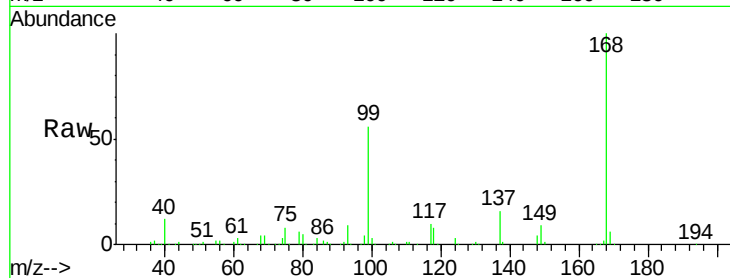




#36
 1,1-Dichloropropene
 Concen: 4.960 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN054654.D
 Acq: 24 Mar 2019 17:53

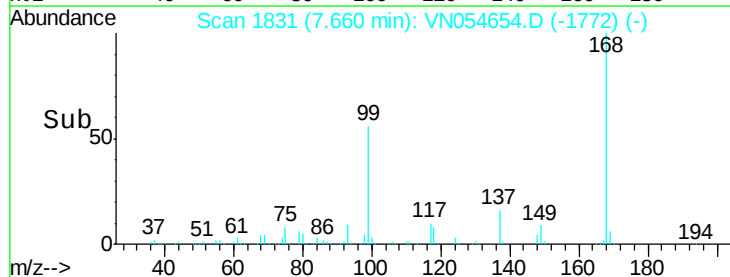
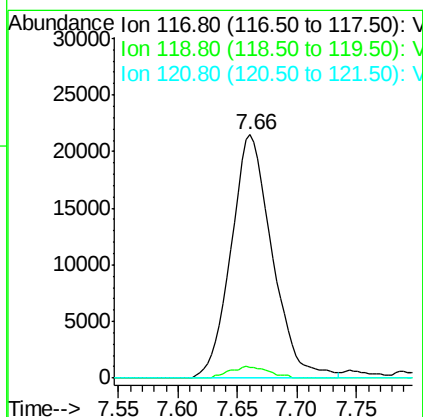
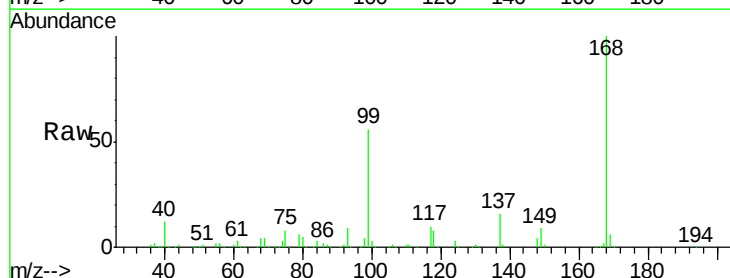
Instrument :
 MSVOA_N
 ClientSampleId :

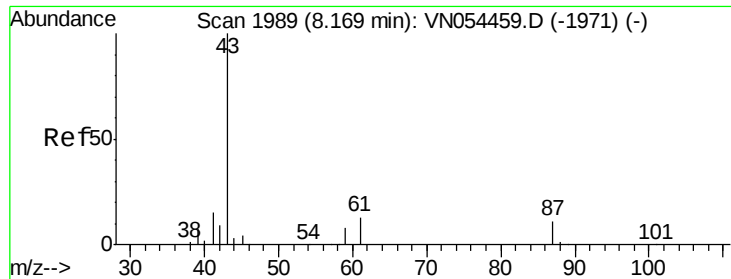
Tot Ion: 75 Resp: 40512
 Ion Ratio Lower Upper
 75 100
 110 8.5 19.1 57.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.493 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN054654.D
 Acq: 24 Mar 2019 17:53

Tgt Ion: 117 Resp: 51531
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.3 114.5#
 121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 0.251 ug/l

RT: 8.26 min Scan# 2016

Delta R.T. 0.09 min

Lab File: VN054654.D

Acq: 24 Mar 2019 17:53

Instrument :

MSVOA_N

ClientSampleId :

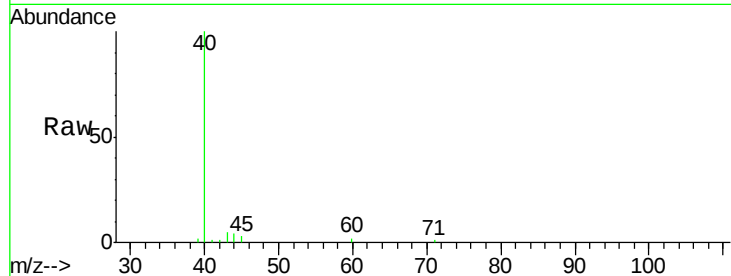
Tot Ion: 43 Resp: 2467

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

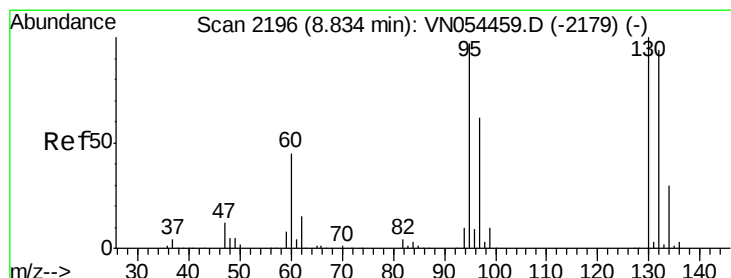
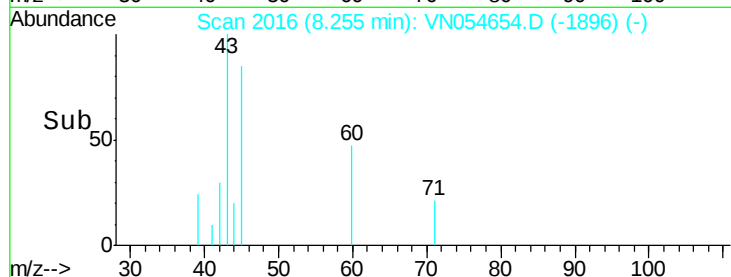
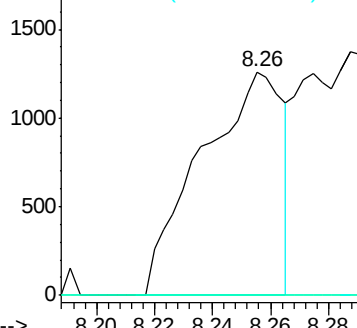
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 21.369 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054654.D

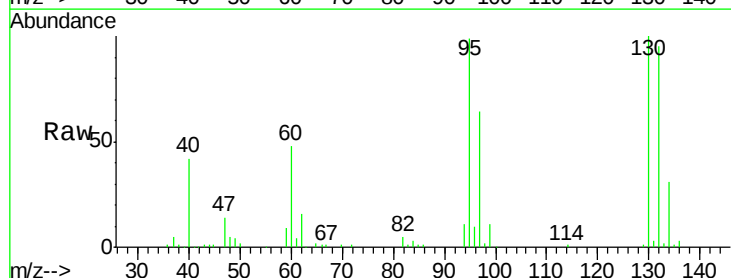
Acq: 24 Mar 2019 17:53

Tgt Ion: 130 Resp: 138746

Ion Ratio Lower Upper

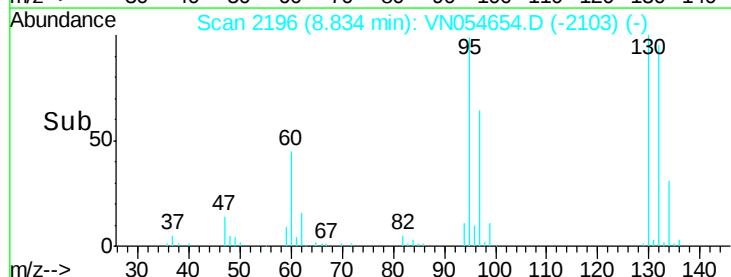
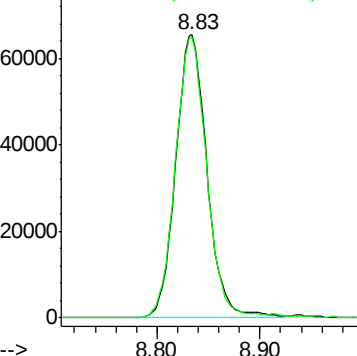
130 100

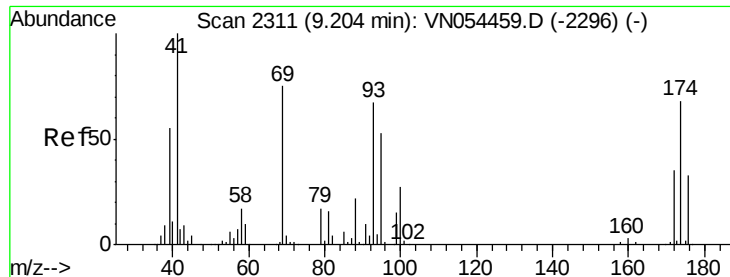
95 99.2 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)





#49

1,4-Dioxane

Concen: 0.504 ug/l

RT: 8.96 min Scan# 2234

Delta R.T. -0.25 min

Lab File: VN054654.D

Acq: 24 Mar 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :

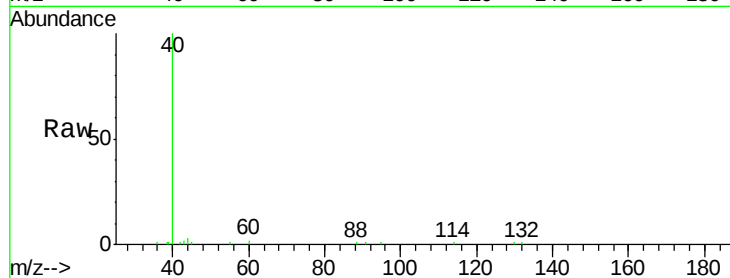
Tot Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 370.0 24.1 36.1#

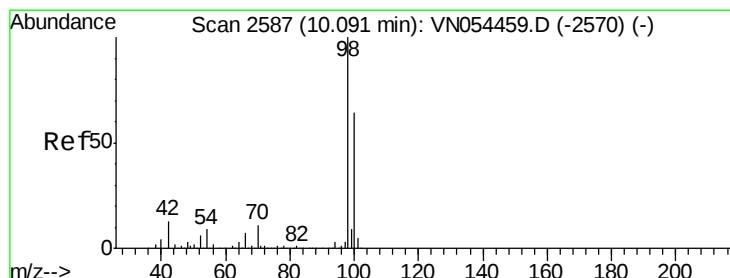
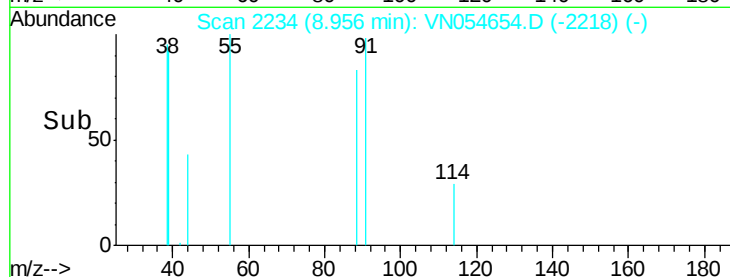
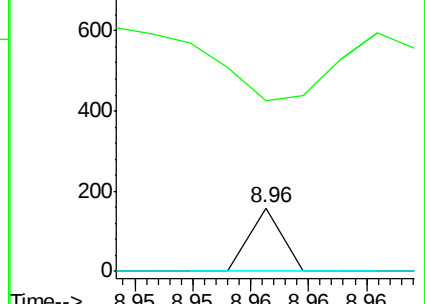
58 0.0 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2296) (-)



#50

Toluene-d8

Concen: 49.403 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054654.D

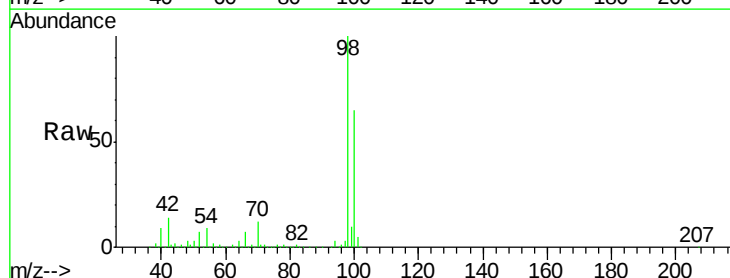
Acq: 24 Mar 2019 17:53

Tgt Ion: 98 Resp: 1045149

Ion Ratio Lower Upper

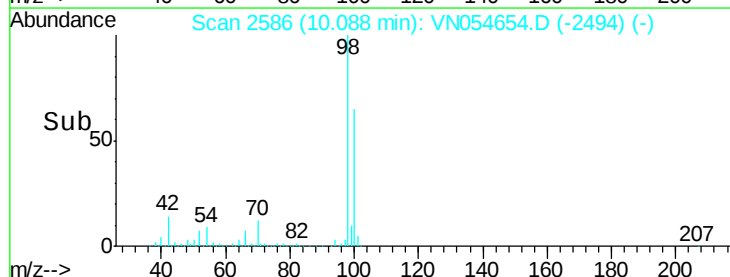
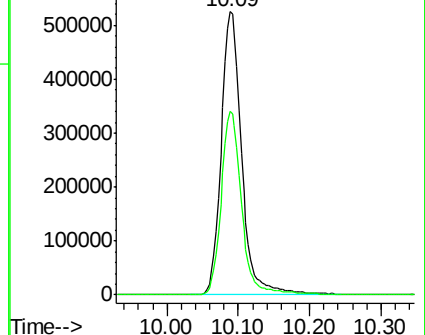
98 100

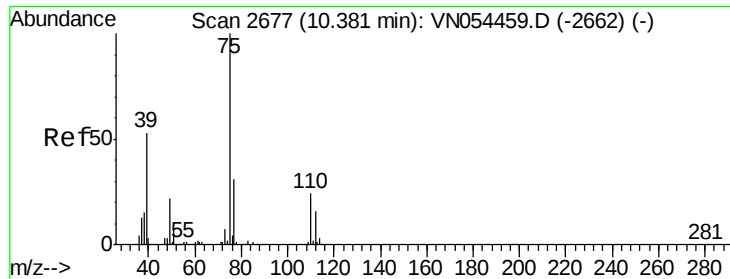
100 64.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)





#53

t-1,3-Dichloropropene

Concen: 2.247 ug/l

RT: 10.10 min Scan# 2590

Delta R.T. -0.28 min

Lab File: VN054654.D

Acq: 24 Mar 2019 17:53

Instrument :

MSVOA_N

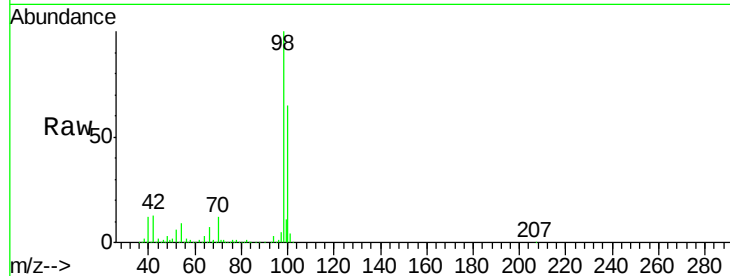
ClientSampled :

Tot Ion: 75 Resp: 131

Ion Ratio Lower Upper

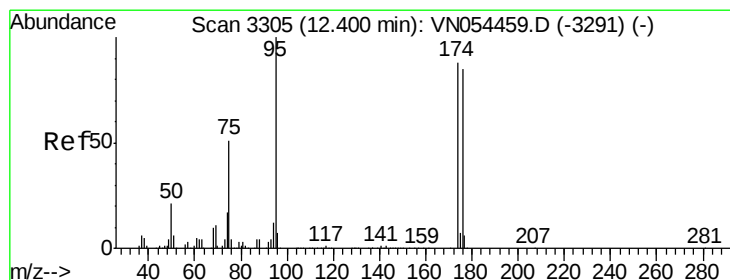
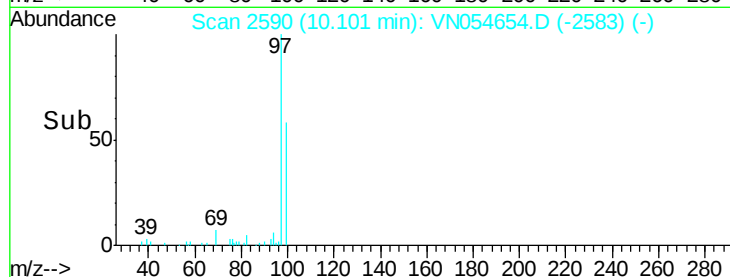
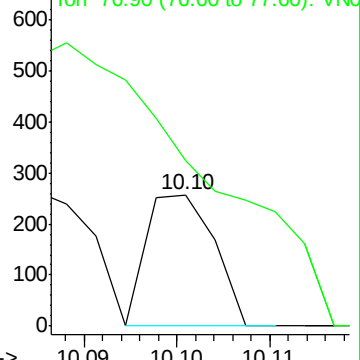
75 100

77 39.3 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#62

4-Bromofluorobenzene

Concen: 46.746 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054654.D

Acq: 24 Mar 2019 17:53

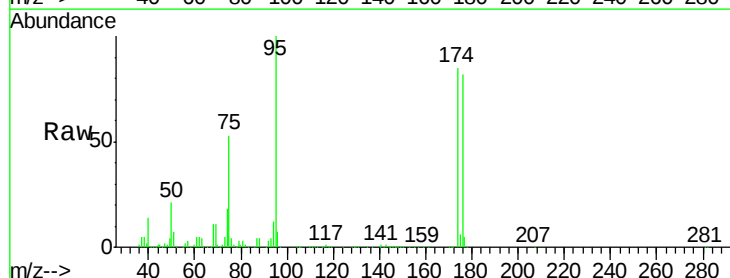
Tgt Ion: 95 Resp: 336522

Ion Ratio Lower Upper

95 100

174 84.8 0.0 191.0

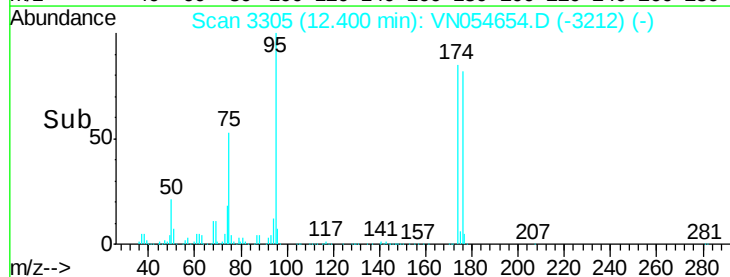
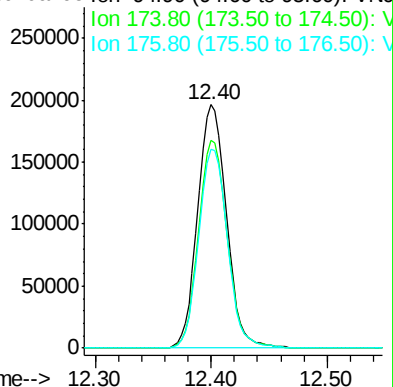
176 81.7 0.0 187.4

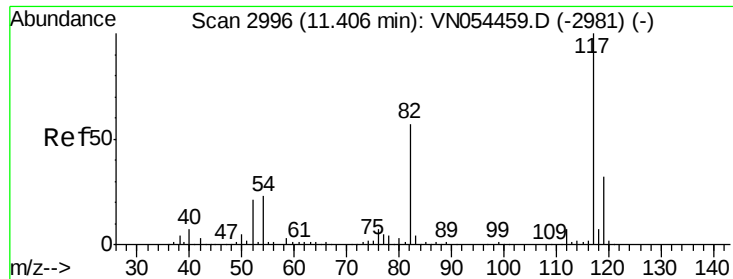


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

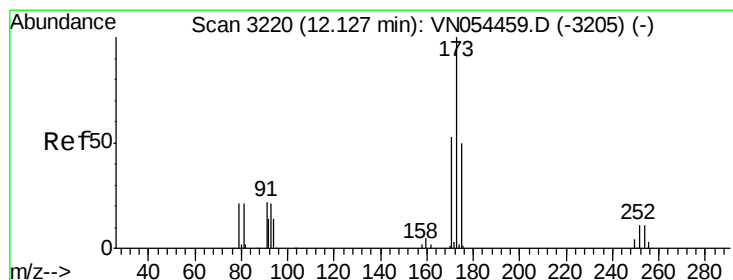
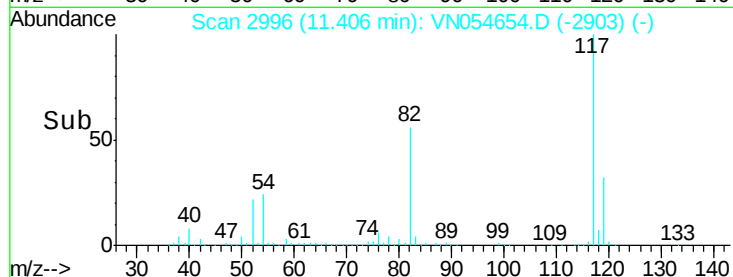
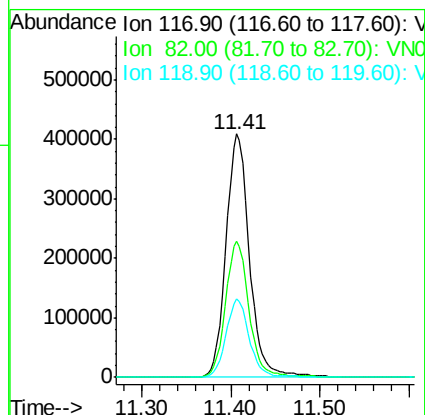
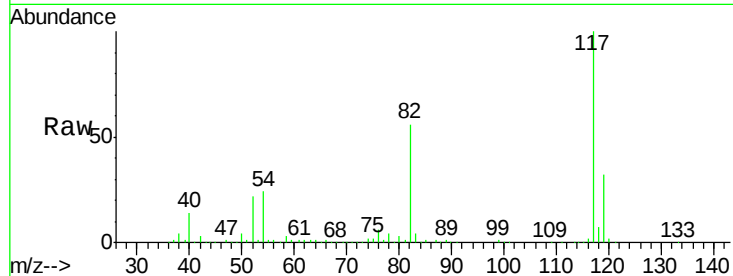




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054654.D
Acq: 24 Mar 2019 17:53

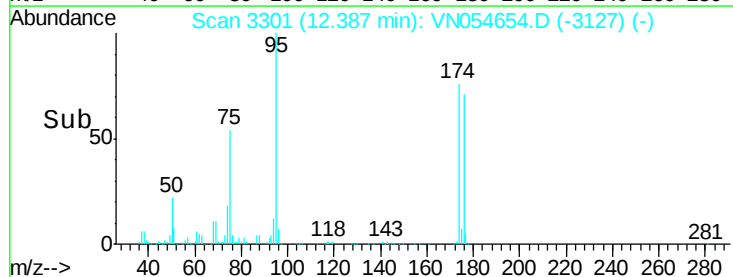
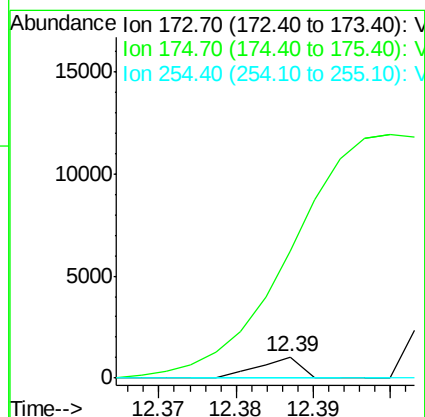
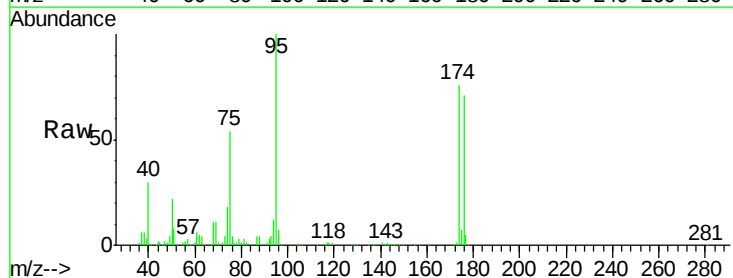
Instrument :
MSVOA_N
ClientSampled :

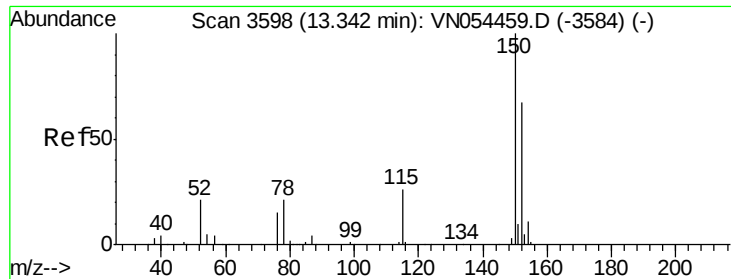
Tot Ion:117 Resp: 746843
Ion Ratio Lower Upper
117 100
82 56.0 40.0 60.0
119 32.1 25.8 38.6



#71
Bromoform
Concen: 2.318 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.26 min
Lab File: VN054654.D
Acq: 24 Mar 2019 17:53

Tgt Ion:173 Resp: 384
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.1 0.1#



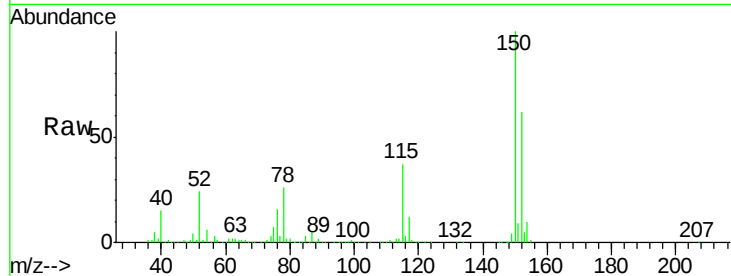


#72

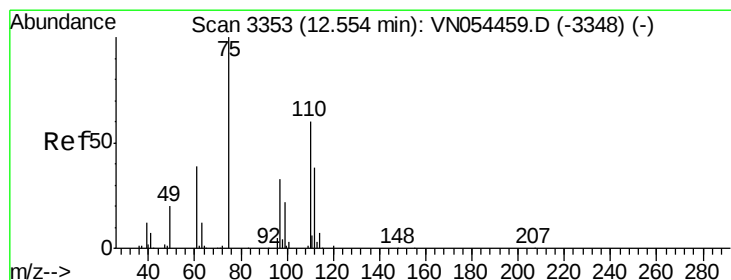
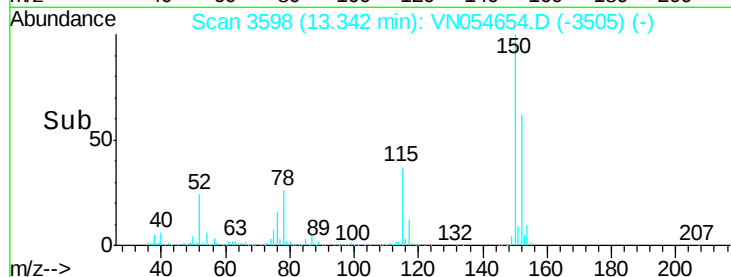
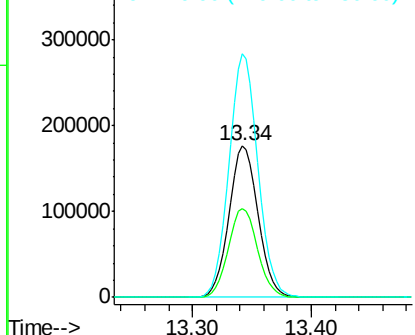
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054654.D
Acq: 24 Mar 2019 17:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 298926
Ion Ratio Lower Upper
152 100
115 59.1 27.2 81.6
150 158.9 0.0 349.2



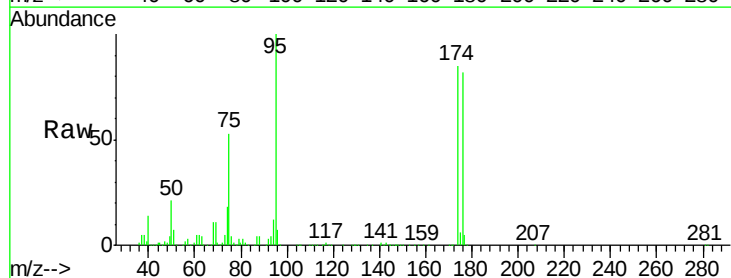
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



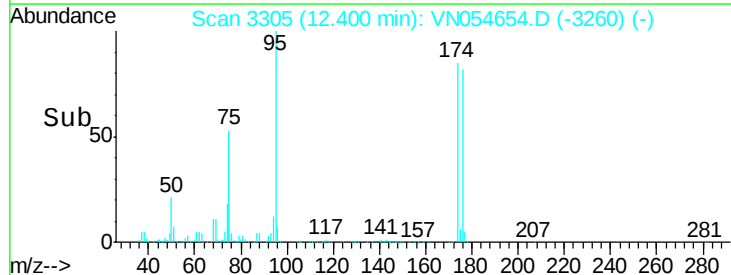
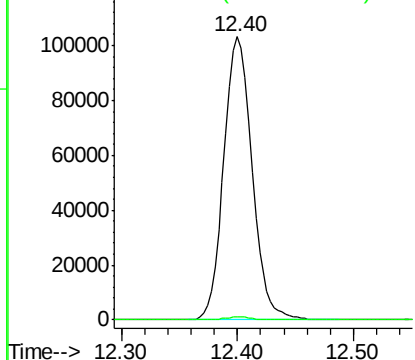
#76

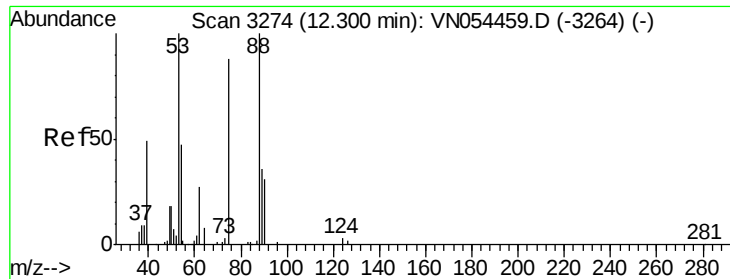
1,2,3-Trichloropropane
Concen: 36.797 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN054654.D
Acq: 24 Mar 2019 17:53

Tgt Ion: 75 Resp: 174545
Ion Ratio Lower Upper
75 100
77 1.1 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: 121.976 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054654.D

Acq: 24 Mar 2019 17:53

Instrument :

MSVOA_N

ClientSampleId :

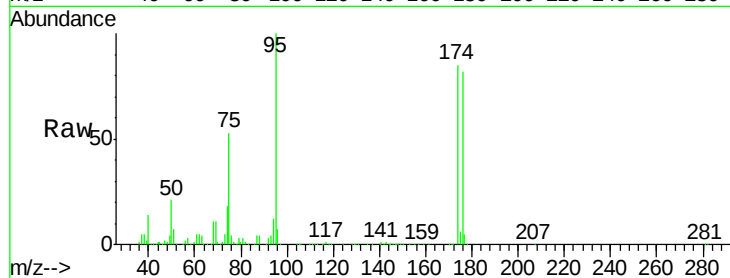
Tot Ion: 75 Resp: 174545

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



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

