

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054582.D
 Acq On : 23 Mar 2019 3:15
 Operator : JC/SP
 Sample : K2045-08
 Misc : 6.26g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB438-190318-(23-25)

Quant Time: Mar 23 05:00:11 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	560803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	874536	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	740754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	299780	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	351435	50.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.76%	
35) Dibromofluoromethane	7.59	113	264128	46.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.76%	
50) Toluene-d8	10.09	98	1052521	49.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.40	95	333076	46.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.42%	

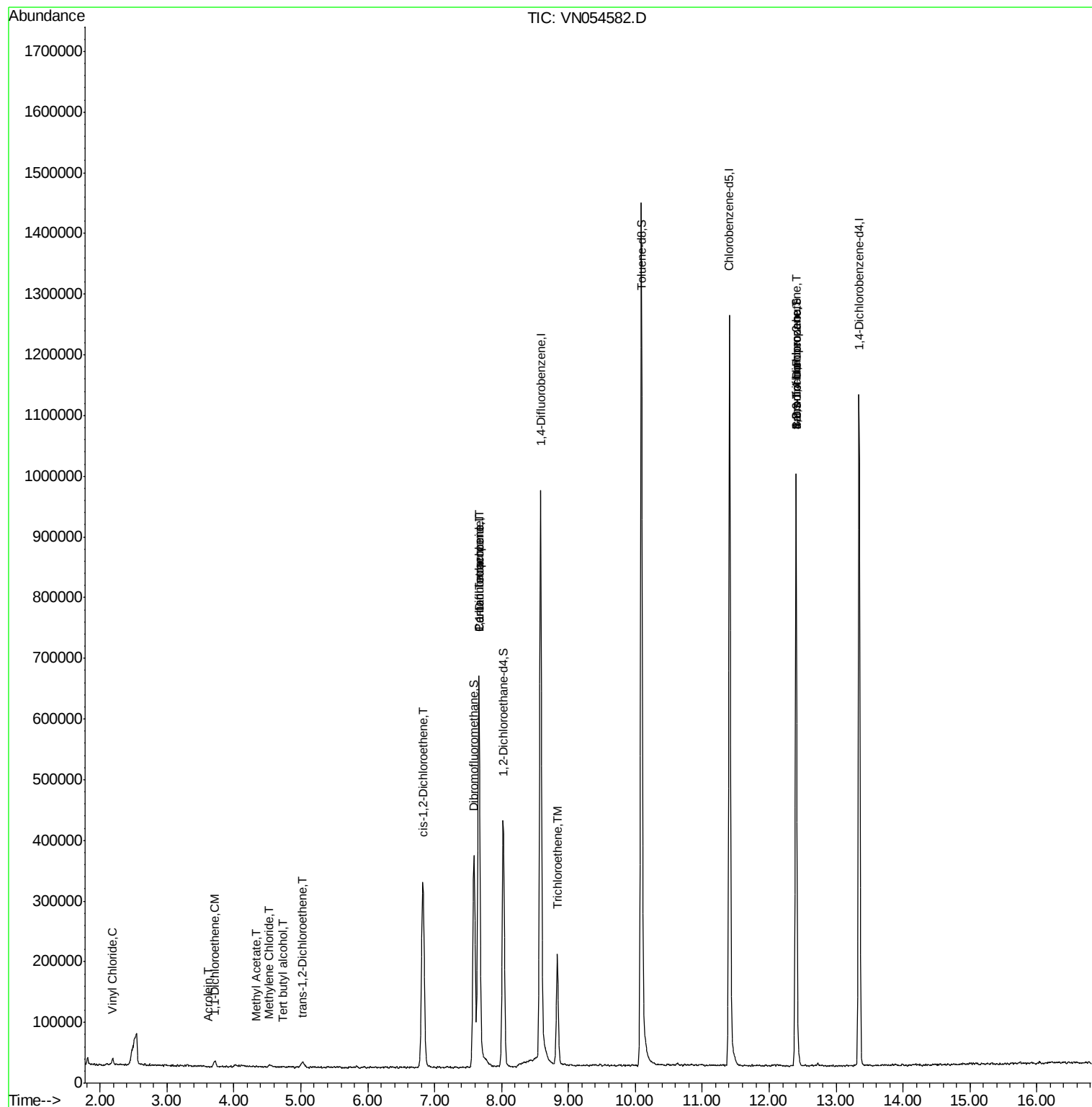
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	8351	1.140	ug/l	90
11) Tert butyl alcohol	4.74	59	417	0.987	ug/l #	70
12) 1,1-Dichloroethene	3.71	96	5310	0.982	ug/l #	76
13) Acrolein	3.61	56	179	0.307	ug/l #	14
18) Methyl Acetate	4.34	43	1603	0.343	ug/l #	86
20) Methylene Chloride	4.53	84	1591	0.257	ug/l #	84
21) trans-1,2-Dichloroethene	5.02	96	3360	0.608	ug/l #	73
27) cis-1,2-Dichloroethene	6.82	96	193783	29.414	ug/l	96
31) Cyclohexane	7.66	56	11494	Below Cal	#	5
36) 1,1-Dichloropropene	7.66	75	41108	5.027	ug/l #	47
38) Carbon Tetrachloride	7.66	117	49927	6.283	ug/l #	16
44) Trichloroethene	8.83	130	67424	10.372	ug/l	93
71) Bromoform	12.39	173	342	2.308	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	171877	36.131	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	171877	119.827	ug/l #	11

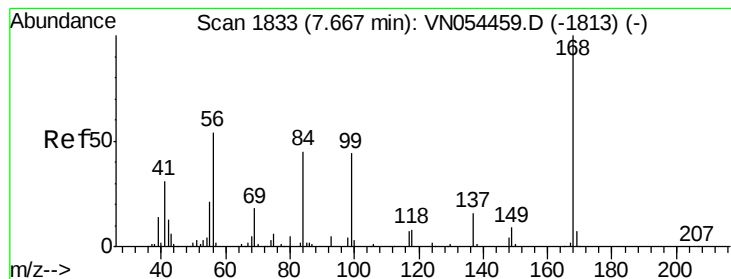
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN032219\
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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: VN054582.D

Acq: 23 Mar 2019 3:15

Instrument :

MSVOA_N

ClientSampleId :

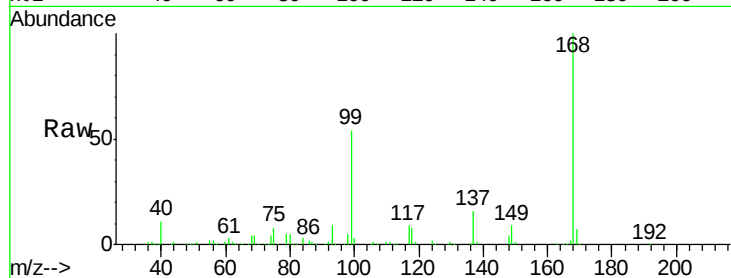
WP022SB438-190318-(23-25)

Tot Ion:168 Resp: 560803

Ion Ratio Lower Upper

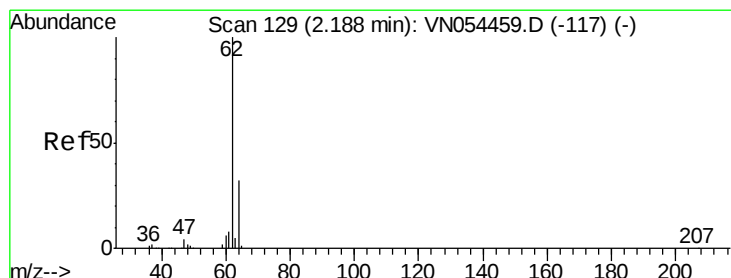
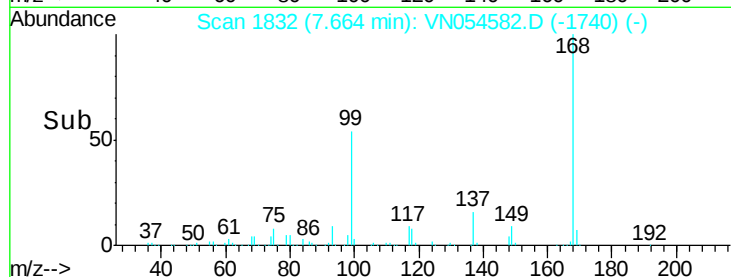
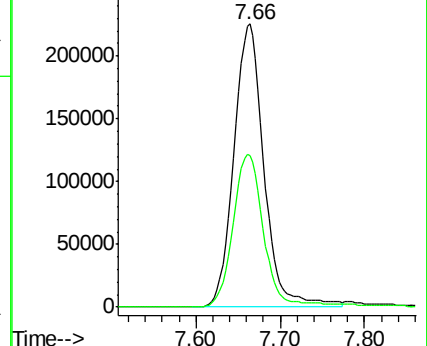
168 100

99 53.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Vinyl Chloride

Concen: 1.140 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054582.D

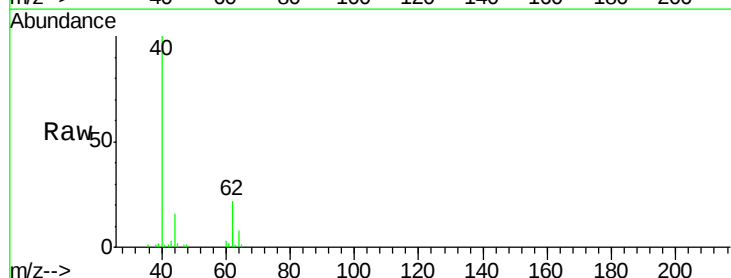
Acq: 23 Mar 2019 3:15

Tgt Ion: 62 Resp: 8351

Ion Ratio Lower Upper

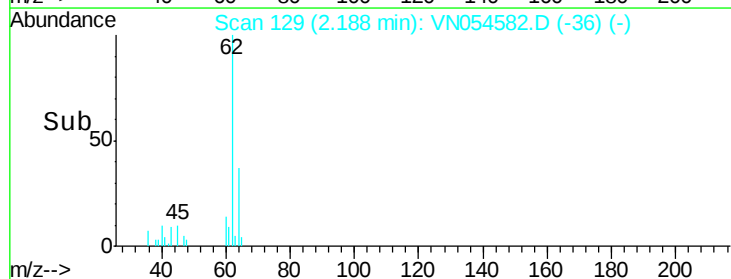
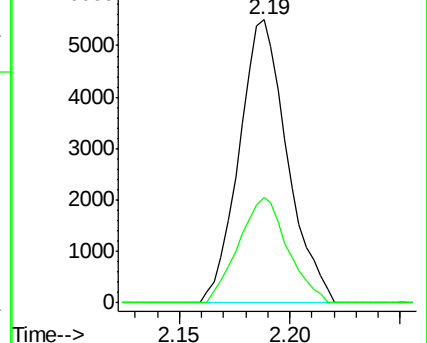
62 100

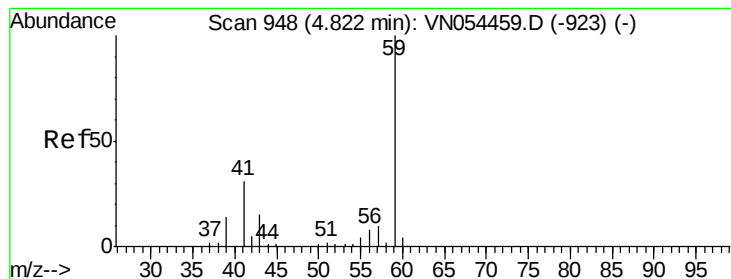
64 37.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



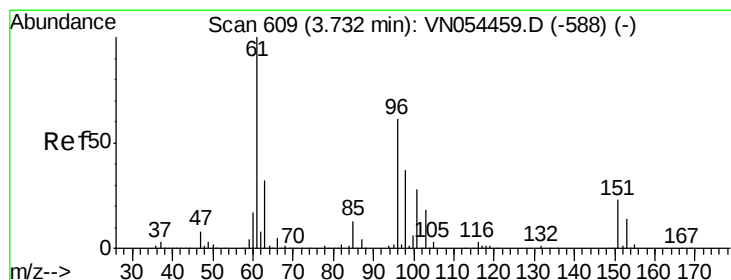
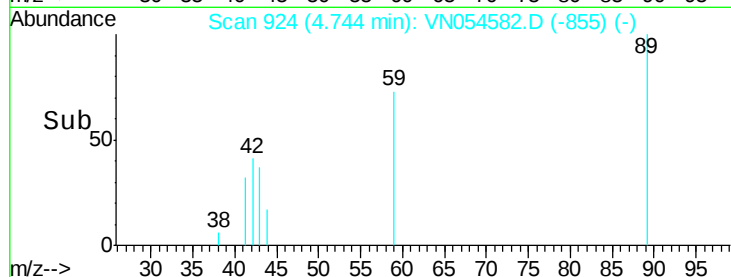
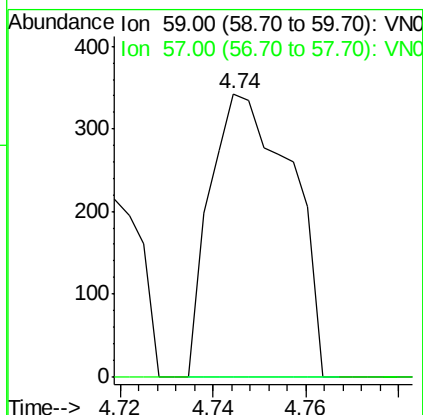
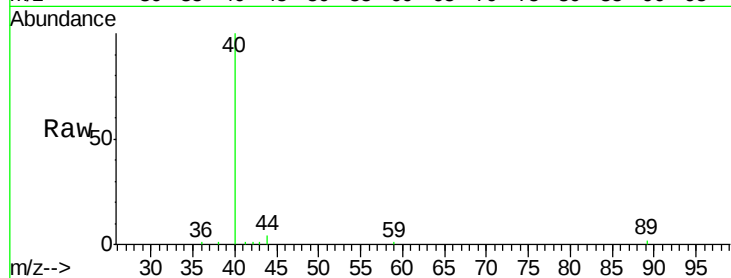


#11

Tert butyl alcohol
 Concen: 0.987 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. -0.08 min
 Lab File: VN054582.D
 Acq: 23 Mar 2019 3:15

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB438-190318-(23-25)

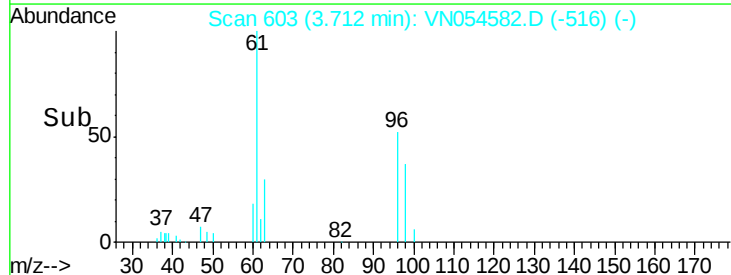
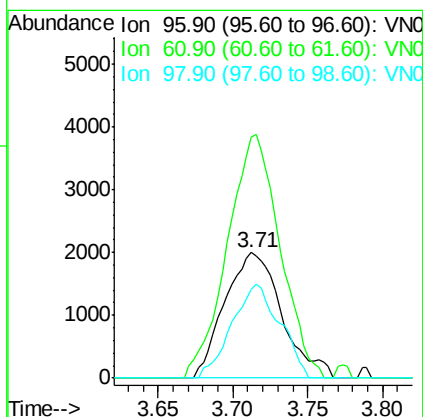
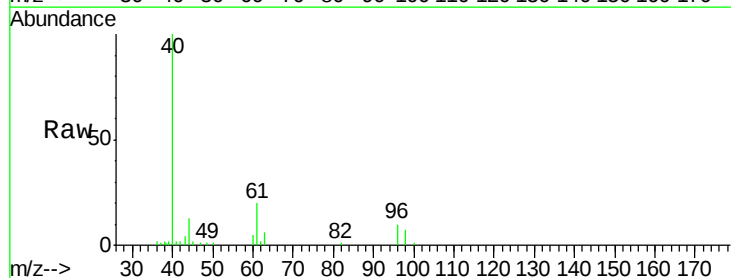
Tot Ion: 59 Resp: 417
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

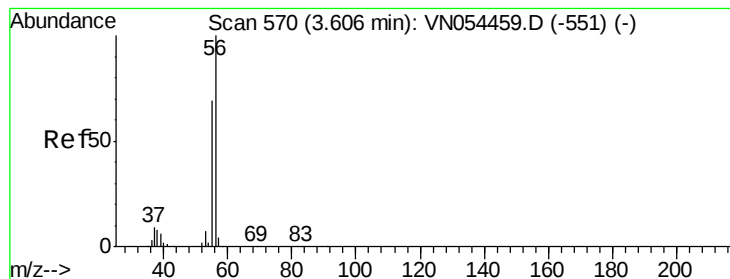


#12

1,1-Dichloroethene
 Concen: 0.982 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.02 min
 Lab File: VN054582.D
 Acq: 23 Mar 2019 3:15

Tgt Ion: 96 Resp: 5310
 Ion Ratio Lower Upper
 96 100
 61 182.9 116.5 174.7#
 98 70.8 51.0 76.4





#13

Acrolein

Concen: 0.307 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054582.D

Acq: 23 Mar 2019 3:15

Instrument :

MSVOA_N

ClientSampleId :

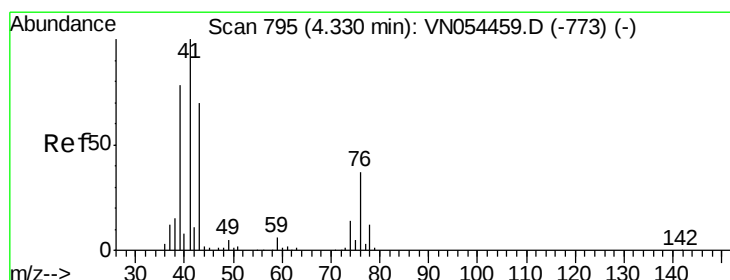
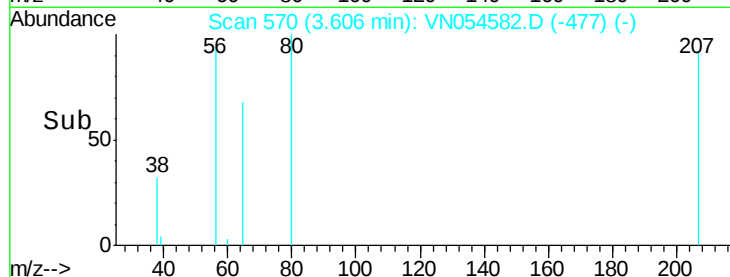
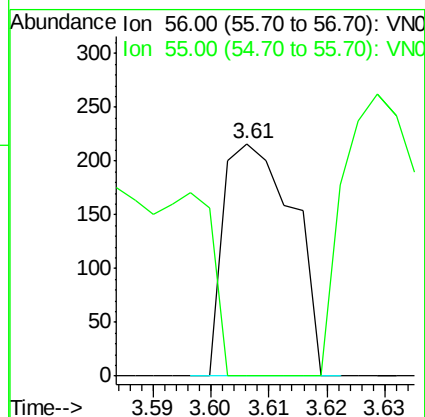
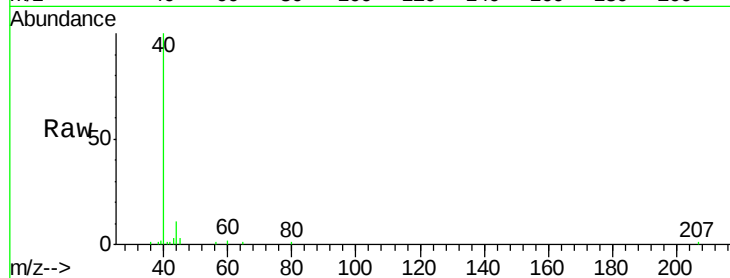
WP022SB438-190318-(23-25)

Tot Ion: 56 Resp: 179

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#18

Methyl Acetate

Concen: 0.343 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN054582.D

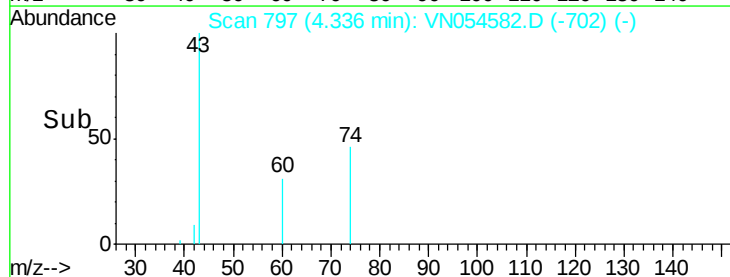
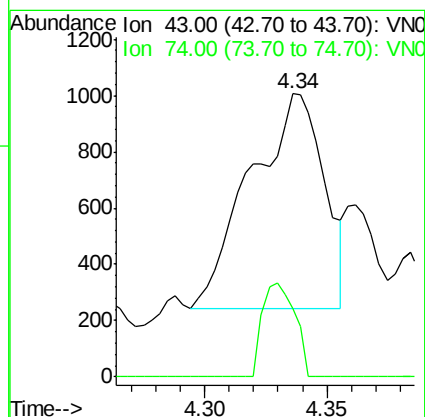
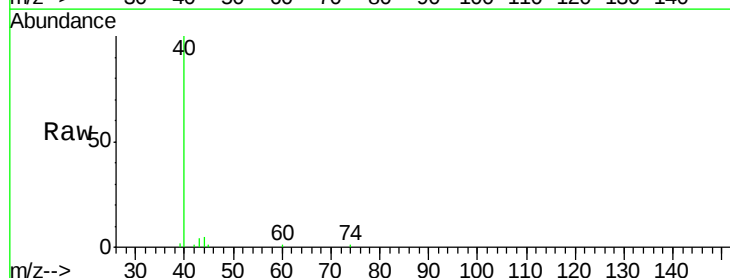
Acq: 23 Mar 2019 3:15

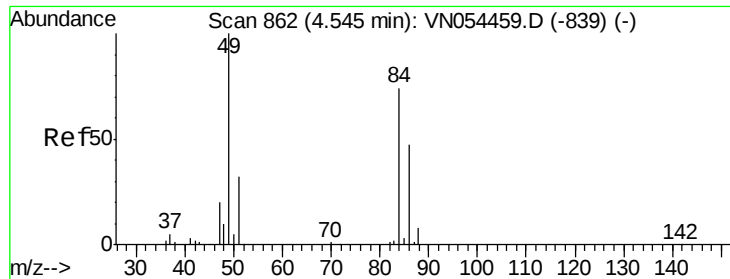
Tgt Ion: 43 Resp: 1603

Ion Ratio Lower Upper

43 100

74 19.1 20.8 31.2#

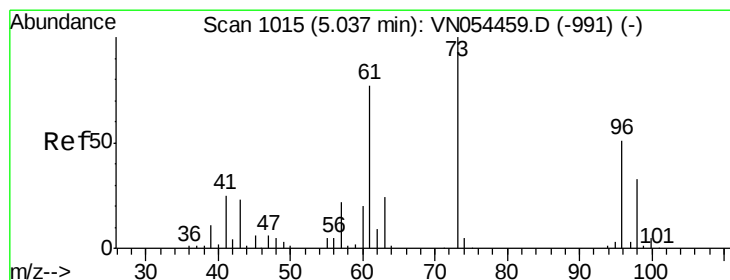
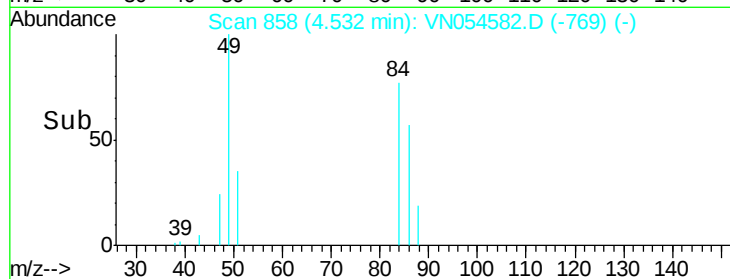
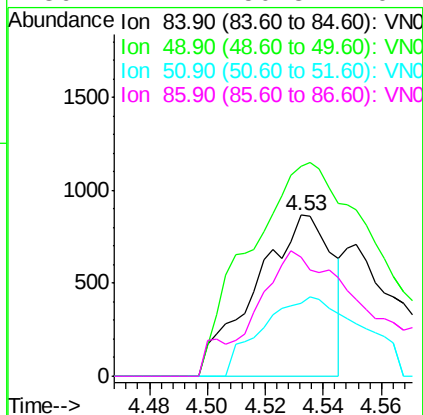
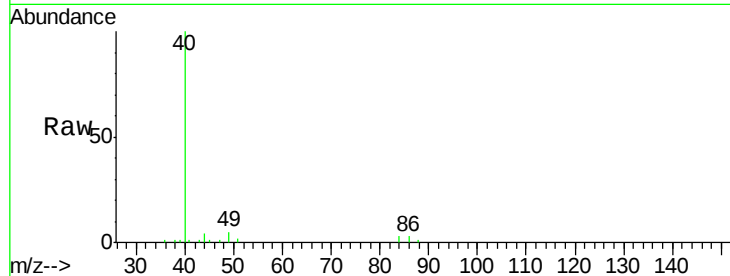




#20
Methylene Chloride
Concen: 0.257 ug/l
RT: 4.53 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN054582.D
Acq: 23 Mar 2019 3:15

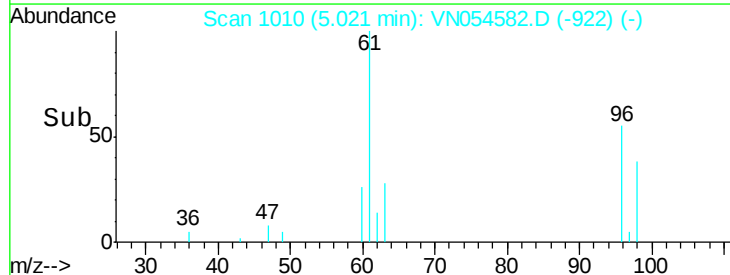
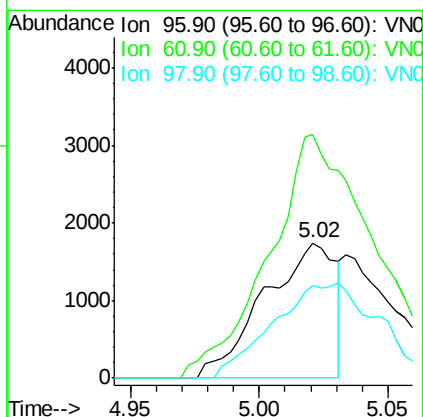
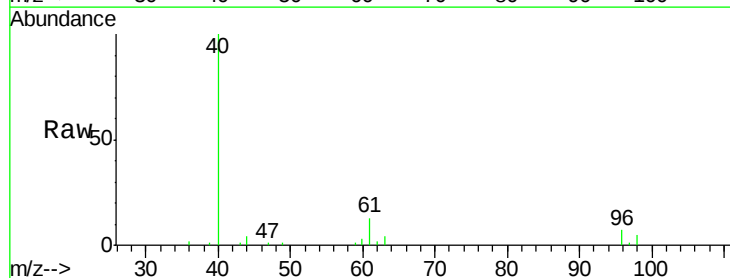
Instrument :
MSVOA_N
ClientSampleId :
WP022SB438-190318-(23-25)

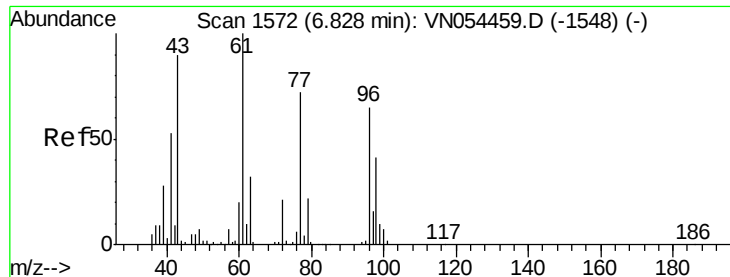
Tot Ion: 84 Resp: 1591
Ion Ratio Lower Upper
84 100
49 130.7 89.7 134.5
51 45.7 28.2 42.4#
86 74.2 50.8 76.2



#21
trans-1,2-Dichloroethene
Concen: 0.608 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.02 min
Lab File: VN054582.D
Acq: 23 Mar 2019 3:15

Tgt Ion: 96 Resp: 3360
Ion Ratio Lower Upper
96 100
61 170.8 102.8 154.2#
98 68.5 50.0 75.0





#27

cis-1,2-Dichloroethene

Concen: 29.414 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054582.D

Acq: 23 Mar 2019 3:15

Instrument :

MSVOA_N

ClientSampleId :

WP022SB438-190318-(23-25)

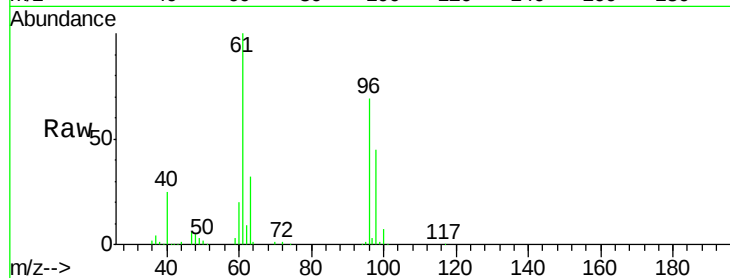
Tot Ion: 96 Resp: 193783

Ion Ratio Lower Upper

96 100

61 142.3 0.0 273.0

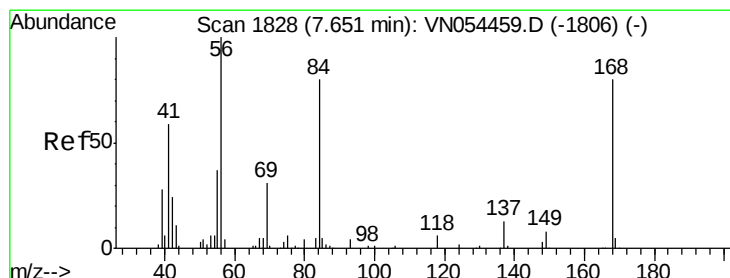
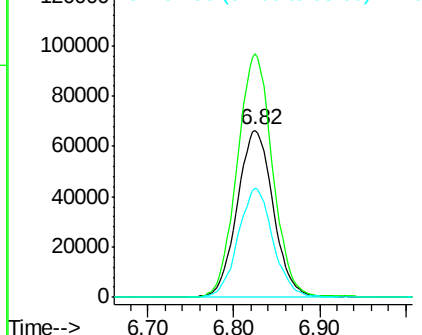
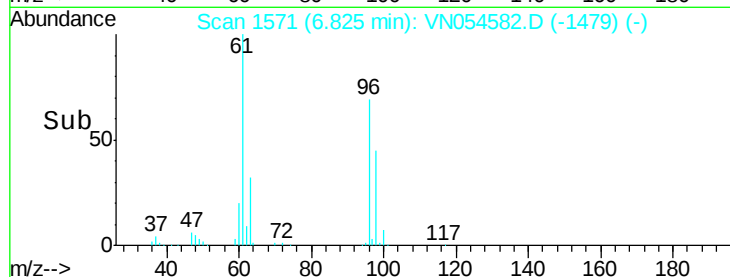
98 63.6 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN054582.D

Acq: 23 Mar 2019 3:15

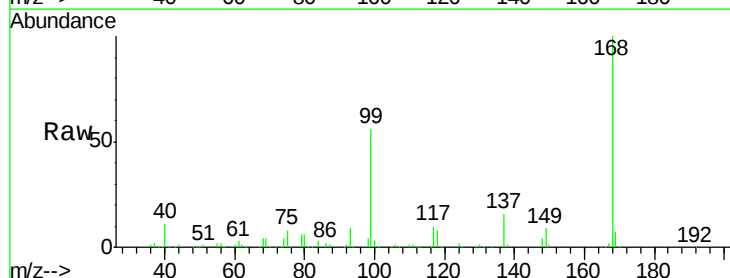
Tgt Ion: 56 Resp: 11494

Ion Ratio Lower Upper

56 100

69 184.1 27.8 41.6#

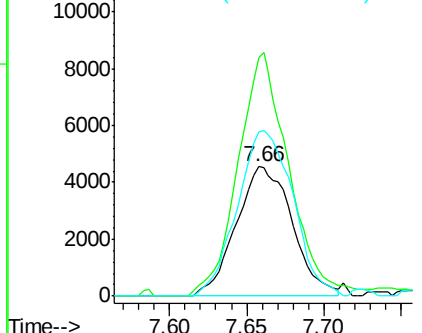
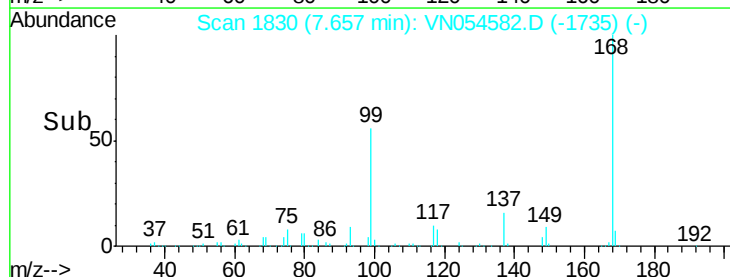
84 126.4 74.6 111.8#

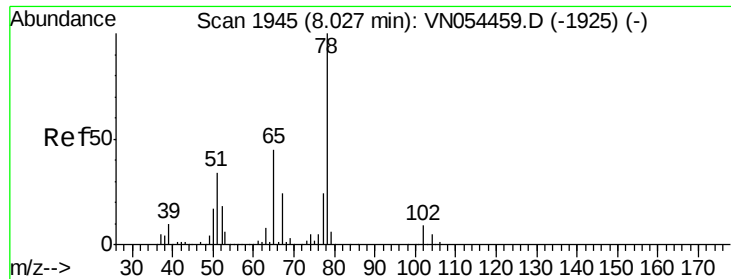


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 50.381 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054582.D

Acq: 23 Mar 2019 3:15

Instrument :

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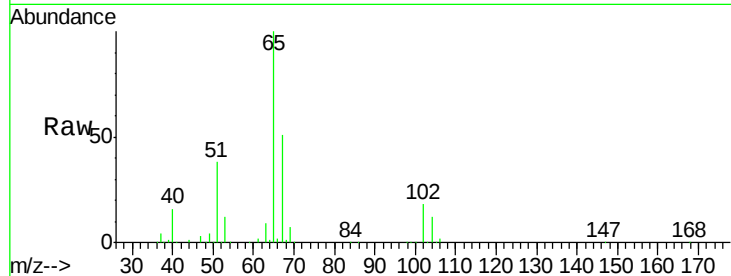
WP022SB438-190318-(23-25)

Tot Ion: 65 Resp: 351435

Ion Ratio Lower Upper

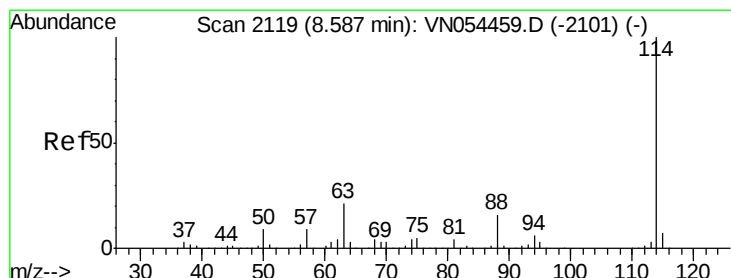
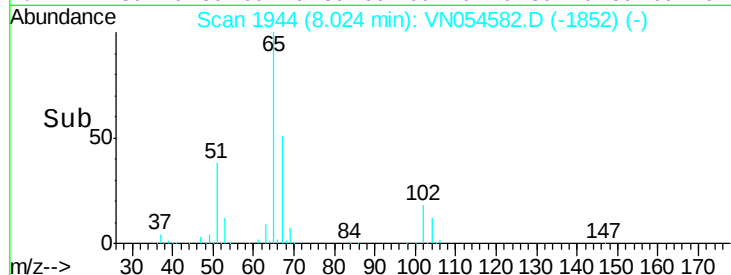
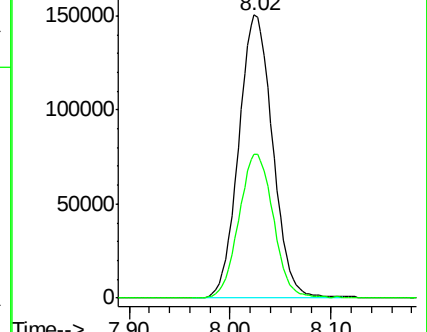
65 100

67 51.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054582.D

Acq: 23 Mar 2019 3:15

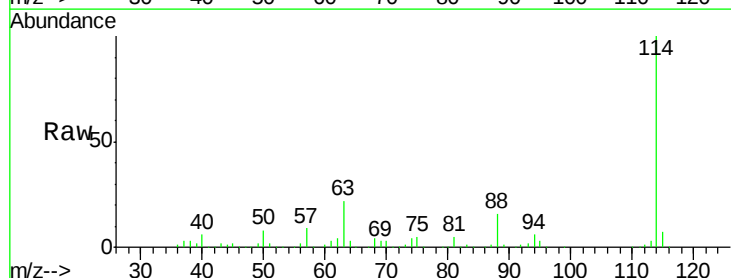
Tgt Ion: 114 Resp: 874536

Ion Ratio Lower Upper

114 100

63 22.4 0.0 35.2

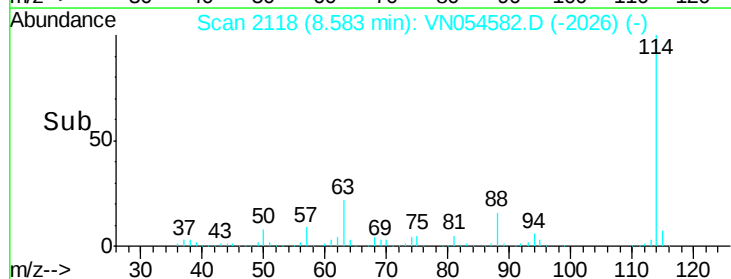
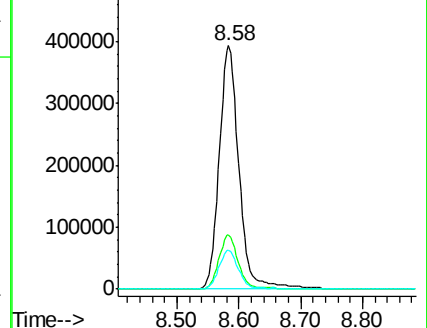
88 16.1 0.0 30.2

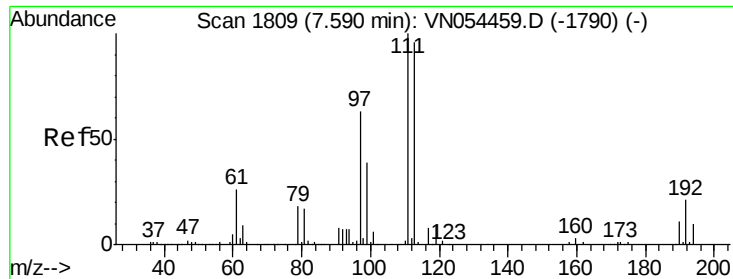


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

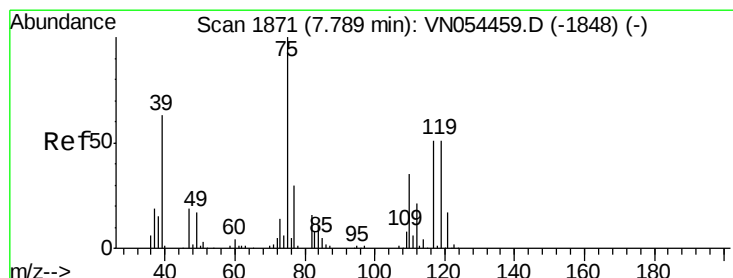
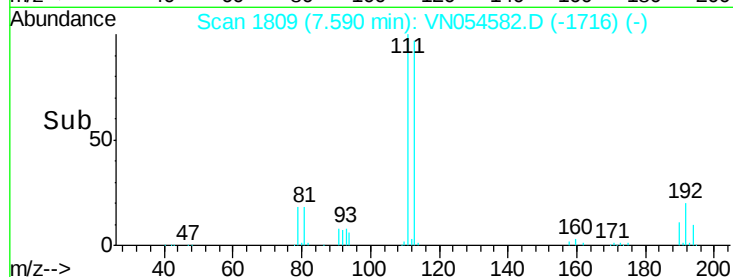
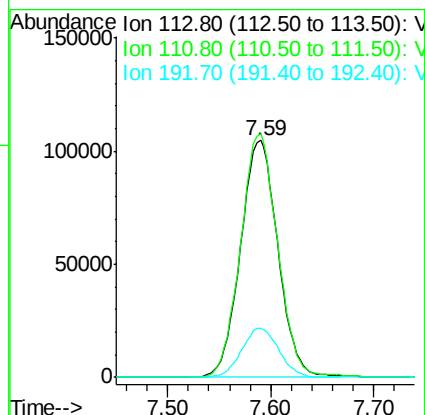
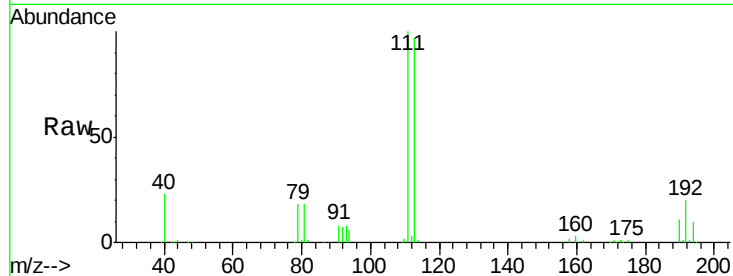




#35
Dibromofluoromethane
Concen: 46.880 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054582.D
Acq: 23 Mar 2019 3:15

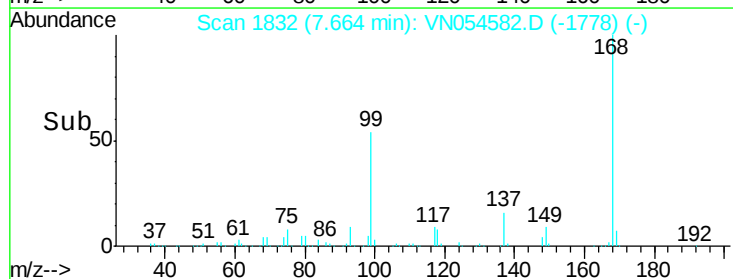
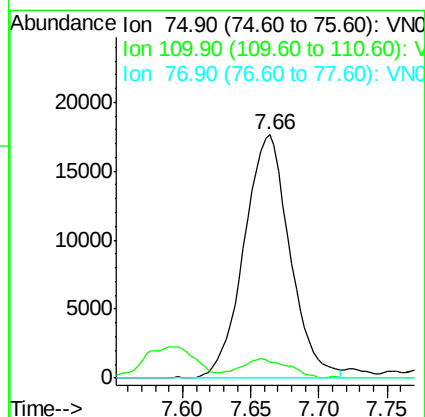
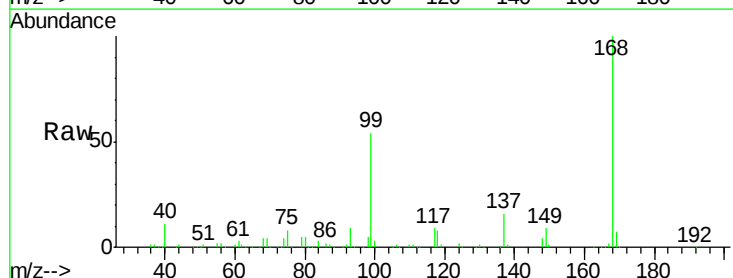
Instrument :
MSVOA_N
ClientSampleId :
WP022SB438-190318-(23-25)

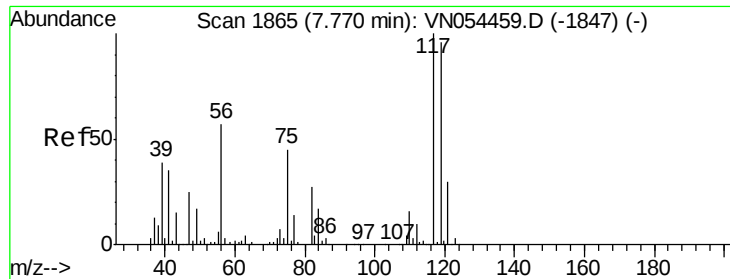
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	20.7	19.2	28.8



#36
1,1-Dichloropropene
Concen: 5.027 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN054582.D
Acq: 23 Mar 2019 3:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	19.1	57.5#
77	0.0	25.0	37.4#

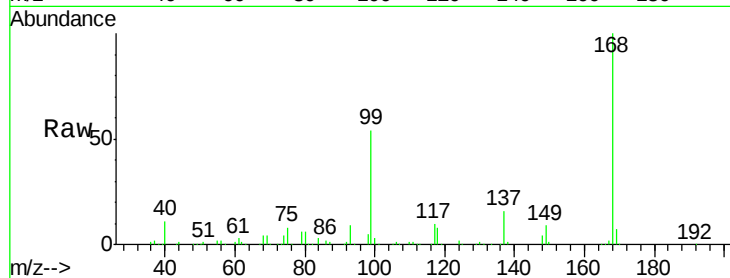




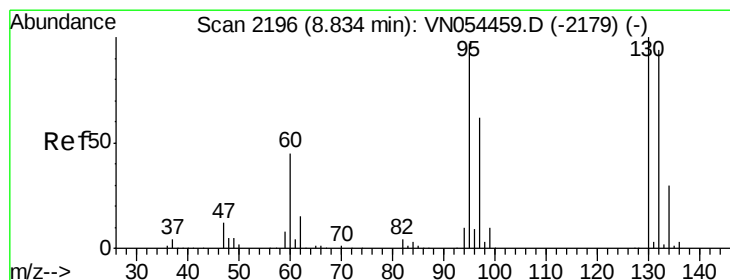
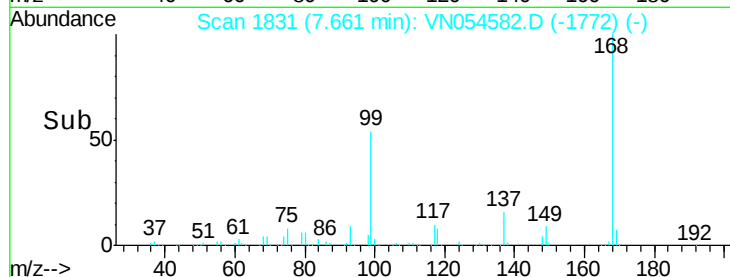
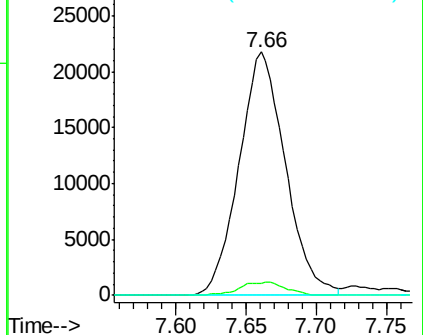
#38
Carbon Tetrachloride
Concen: 6.283 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN054582.D
Acq: 23 Mar 2019 3:15

Instrument :
MSVOA_N
ClientSampleId :
WP022SB438-190318-(23-25)

Tot Ion:117 Resp: 49927
Ion Ratio Lower Upper
117 100
119 4.9 76.3 114.5#
121 0.0 24.6 36.8#

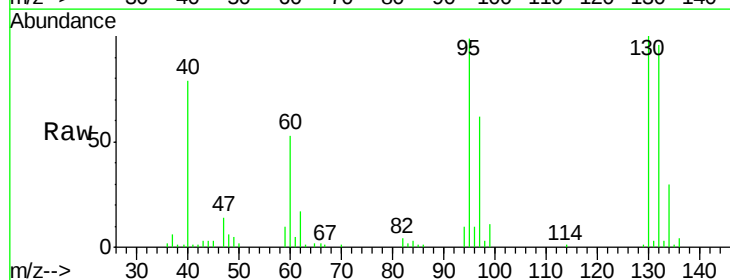


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

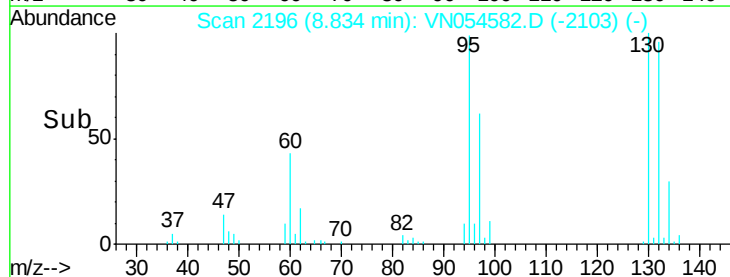
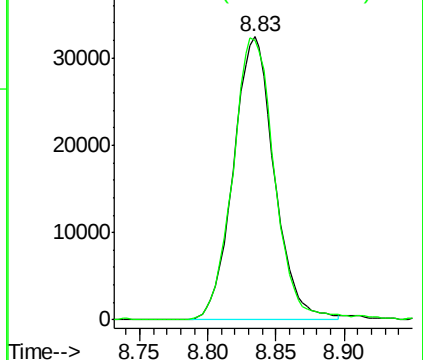


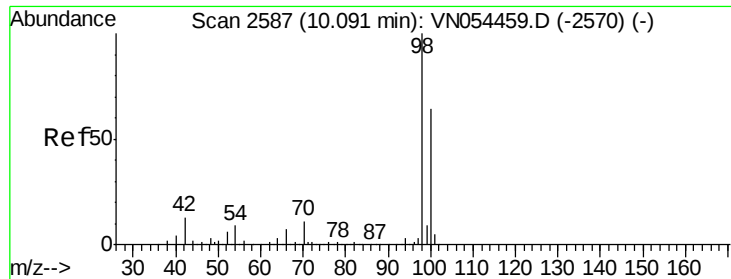
#44
Trichloroethene
Concen: 10.372 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054582.D
Acq: 23 Mar 2019 3:15

Tgt Ion:130 Resp: 67424
Ion Ratio Lower Upper
130 100
95 98.9 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 49.692 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054582.D

Acq: 23 Mar 2019 3:15

Instrument :

MSVOA_N

ClientSampleId :

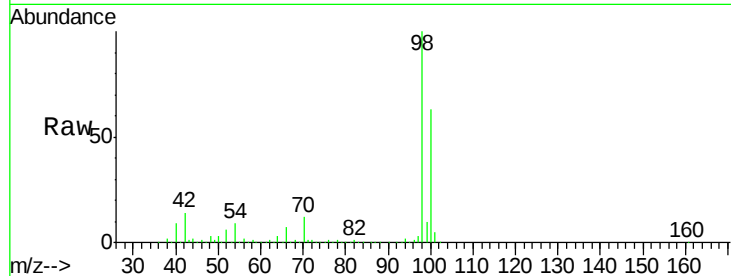
WP022SB438-190318-(23-25)

Tot Ion: 98 Resp: 1052521

Ion Ratio Lower Upper

98 100

100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

600000

500000

400000

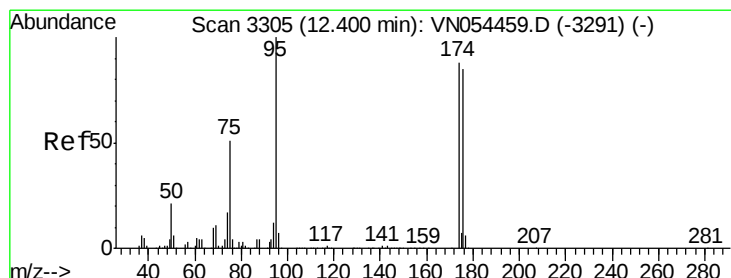
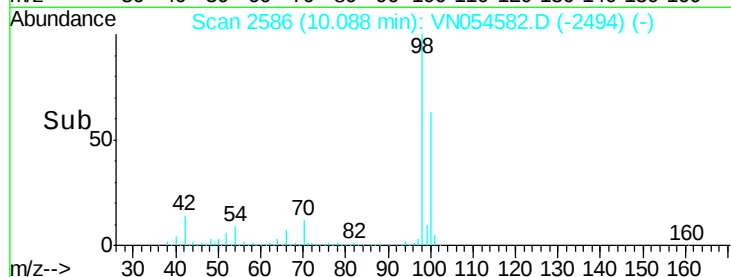
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.212 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054582.D

Acq: 23 Mar 2019 3:15

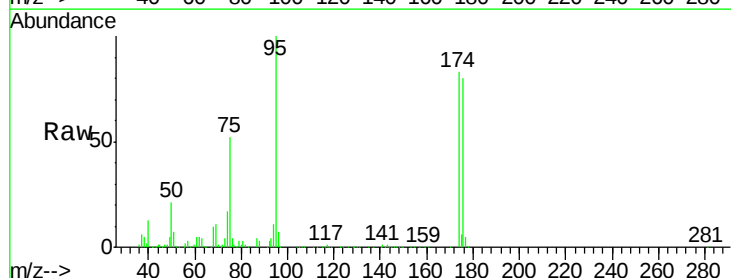
Tgt Ion: 95 Resp: 333076

Ion Ratio Lower Upper

95 100

174 83.4 0.0 191.0

176 80.7 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

250000

200000

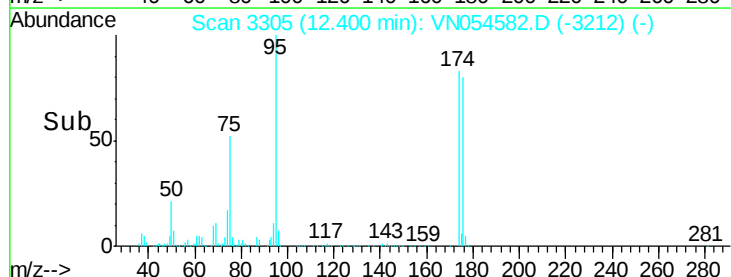
150000

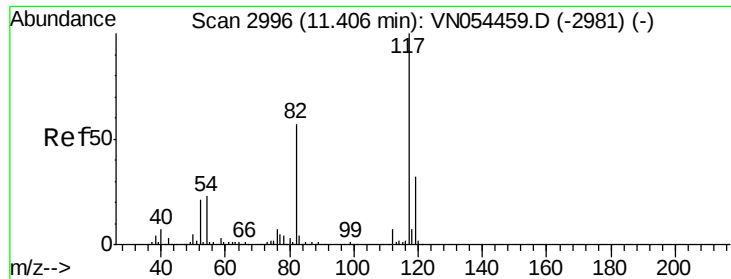
100000

50000

0

Time-->

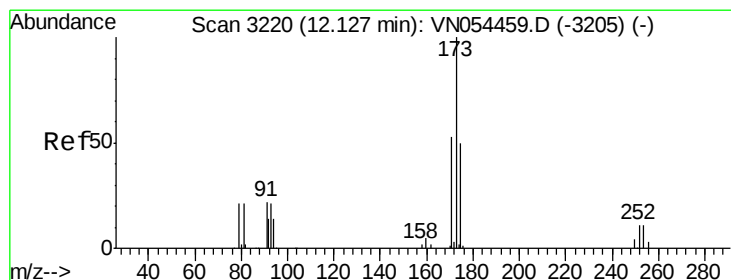
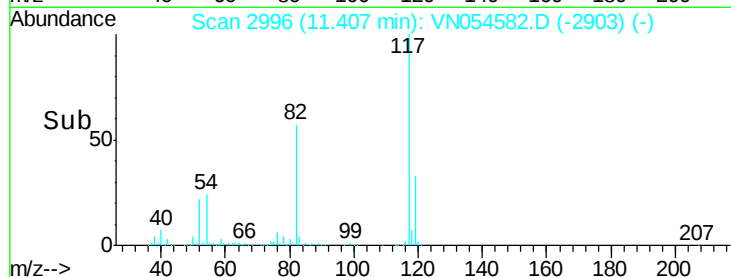
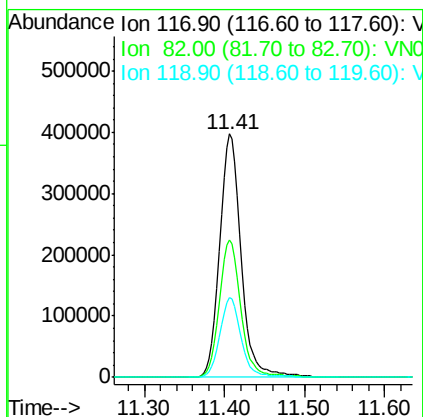
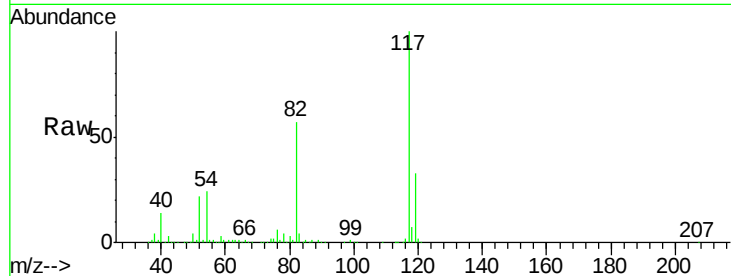




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054582.D
Acq: 23 Mar 2019 3:15

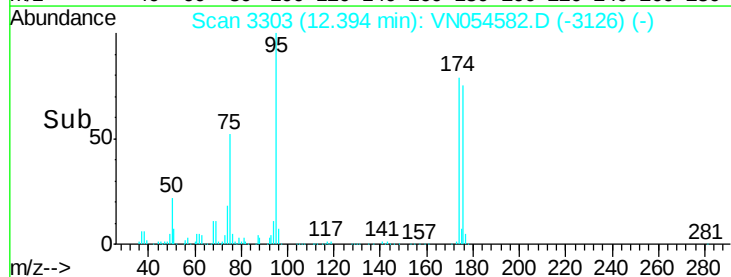
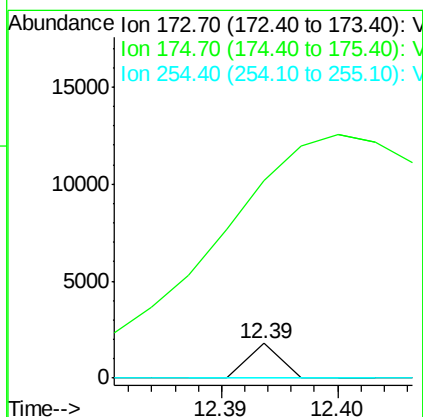
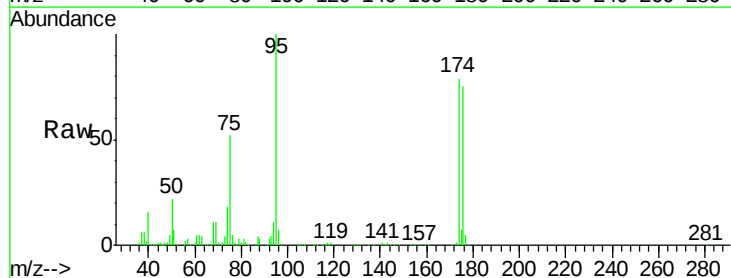
Instrument :
MSVOA_N
ClientSampleId :
WP022SB438-190318-(23-25)

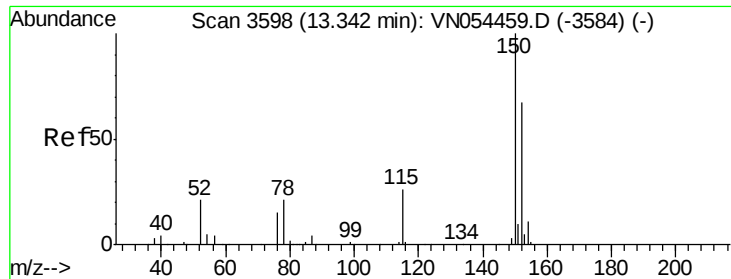
Tot Ion:117 Resp: 740754
Ion Ratio Lower Upper
117 100
82 56.6 40.0 60.0
119 32.8 25.8 38.6



#71
Bromoform
Concen: 2.308 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN054582.D
Acq: 23 Mar 2019 3:15

Tgt Ion:173 Resp: 342
Ion Ratio Lower Upper
173 100
175 5404.4 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054582.D

Acq: 23 Mar 2019 3:15

Instrument :

MSVOA_N

ClientSampleId :

WP022SB438-190318-(23-25)

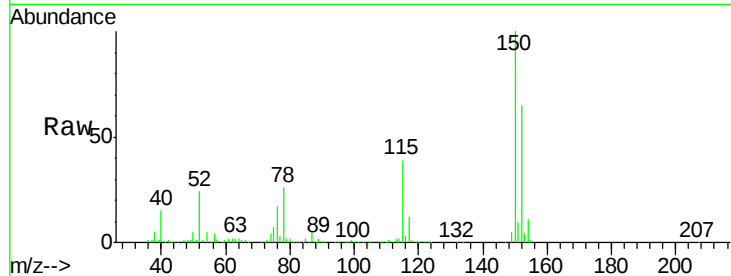
Tot Ion:152 Resp: 299780

Ion Ratio Lower Upper

152 100

115 59.1 27.2 81.6

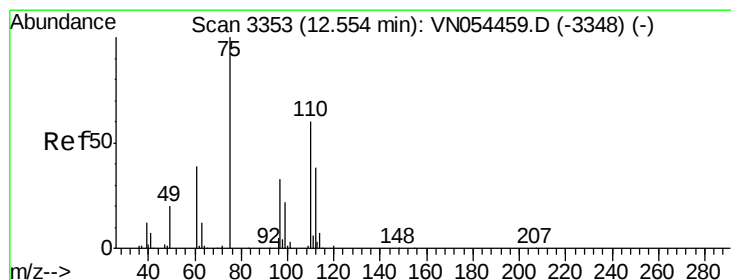
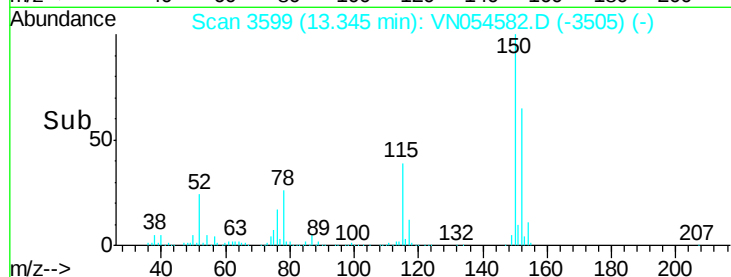
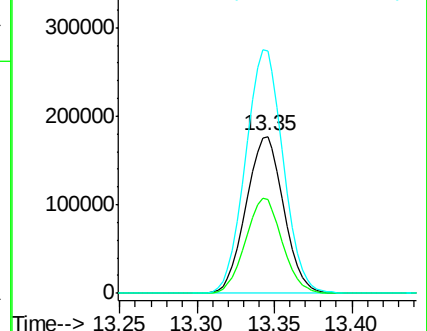
150 155.6 0.0 349.2



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: 36.131 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054582.D

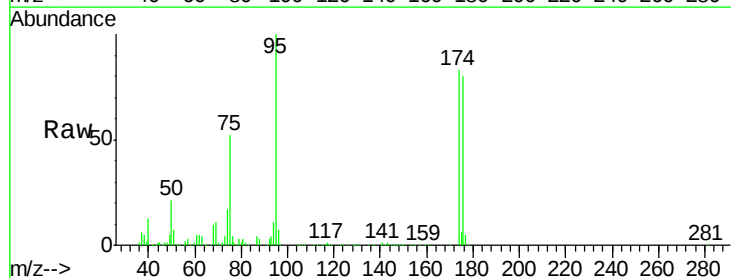
Acq: 23 Mar 2019 3:15

Tgt Ion: 75 Resp: 171877

Ion Ratio Lower Upper

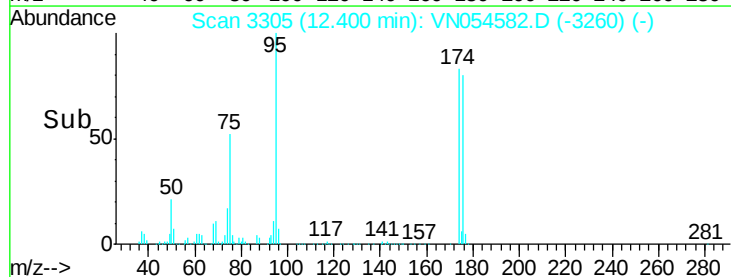
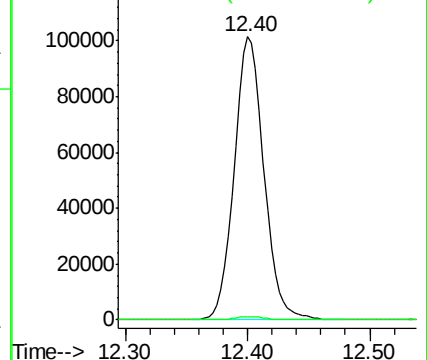
75 100

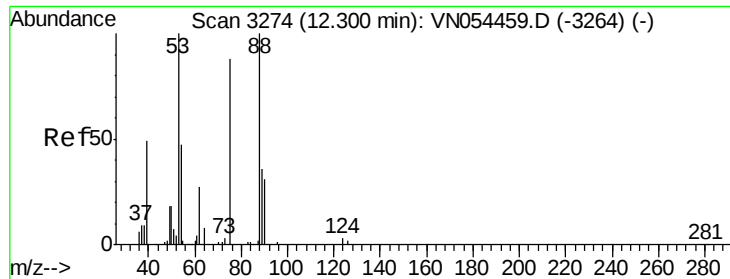
77 1.2 0.0 0.0#



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: 119.827 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054582.D

Acq: 23 Mar 2019 3:15

Instrument :

MSVOA_N

ClientSampleId :

WP022SB438-190318-(23-25)

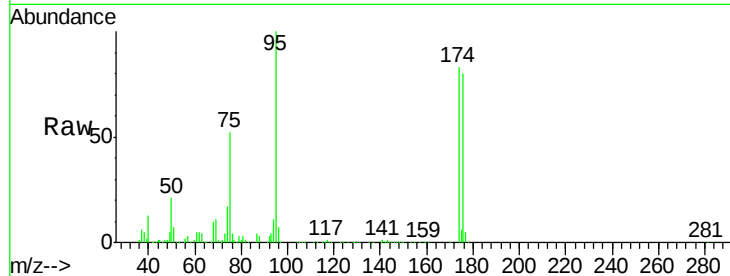
Tot Ion: 75 Resp: 171877

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

