

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032219\
 Data File : VN054583.D
 Acq On : 23 Mar 2019 3:43
 Operator : JC/SP
 Sample : K2045-09
 Misc : 6.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB438-190318-(25-27)

Quant Time: Mar 23 05:00:25 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

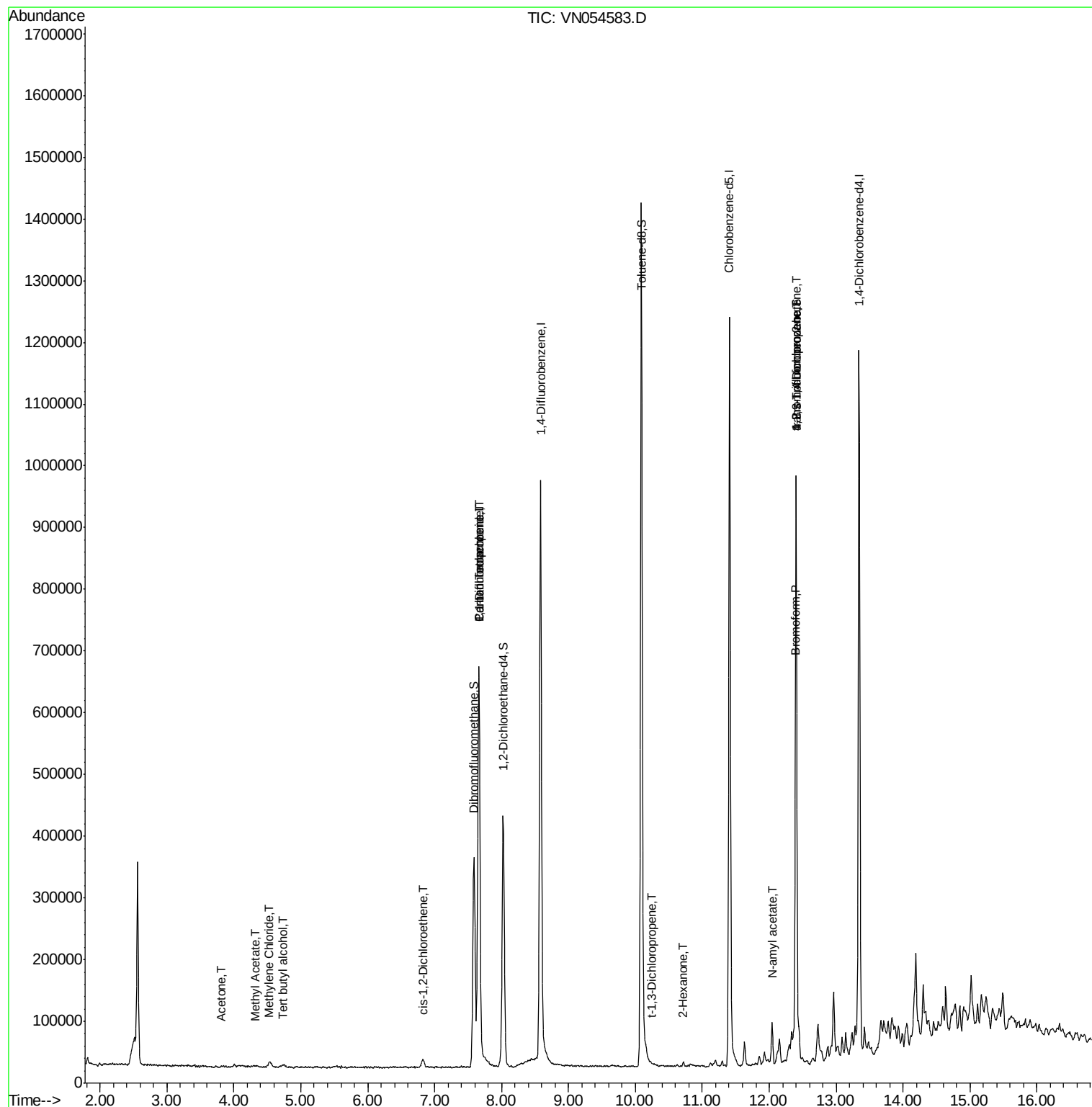
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	539328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	850282	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	716958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	290789	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	347598	51.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.64%	
35) Dibromofluoromethane	7.59	113	254145	46.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.78%	
50) Toluene-d8	10.09	98	1028653	49.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	325976	46.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.04%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.73	59	2729	6.719	ug/l #	70
16) Acetone	3.82	43	765	0.379	ug/l	91
18) Methyl Acetate	4.32	43	1067	0.237	ug/l #	59
20) Methylene Chloride	4.53	84	5617	0.945	ug/l	93
27) cis-1,2-Dichloroethene	6.82	96	7171	1.132	ug/l	92
31) Cyclohexane	7.66	56	11962	Below Cal	#	19
36) 1,1-Dichloropropene	7.66	75	41560	5.228	ug/l #	47
38) Carbon Tetrachloride	7.66	117	51651	6.686	ug/l #	16
53) t-1,3-Dichloropropene	10.25	75	31	2.236	ug/l #	42
59) 2-Hexanone	10.72	43	3316	0.959	ug/l #	23
71) Bromoform	12.38	173	116	2.251	ug/l #	28
74) N-amyl acetate	12.04	43	14664	2.176	ug/l #	65
76) 1,2,3-Trichloropropane	12.40	75	166890	36.167	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	166890	119.944	ug/l #	11

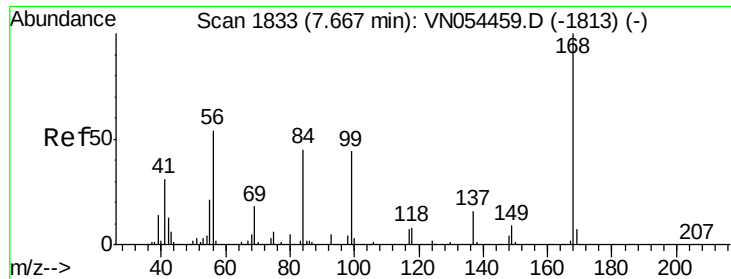
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VN054583.D

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ClientSampleId :

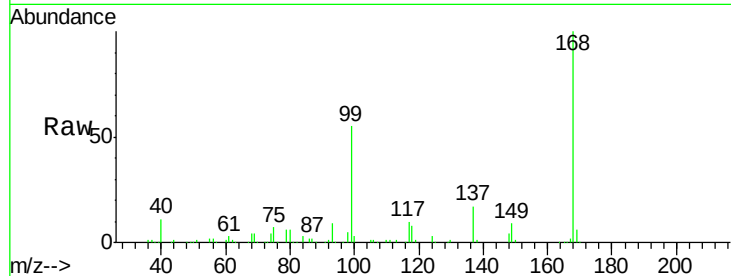
WP022SB438-190318-(25-27)

Tot Ion:168 Resp: 539328

Ion Ratio Lower Upper

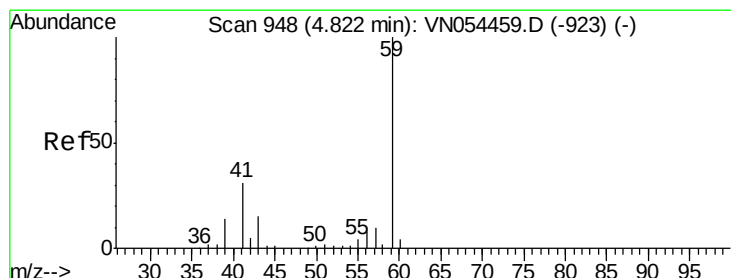
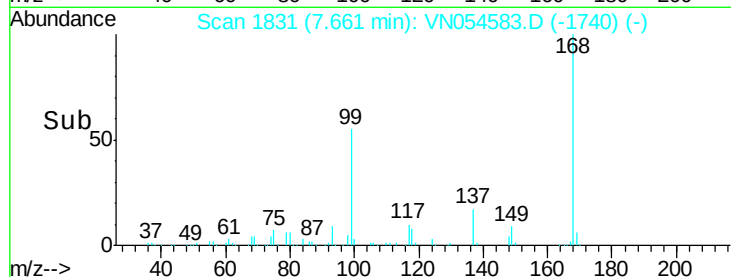
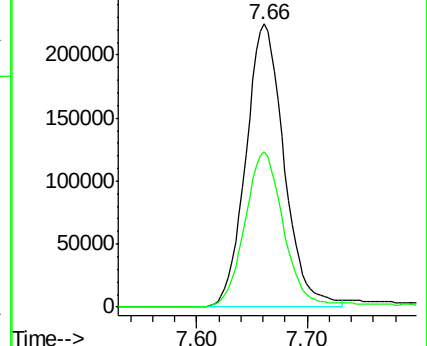
168 100

99 54.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 6.719 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.09 min

Lab File: VN054583.D

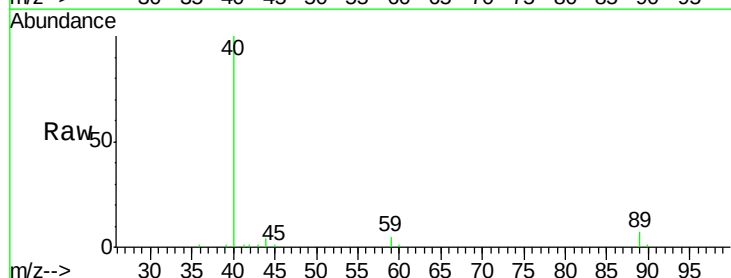
Acq: 23 Mar 2019 3:43

Tgt Ion: 59 Resp: 2729

Ion Ratio Lower Upper

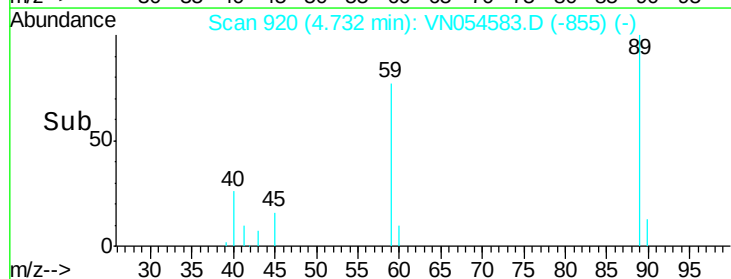
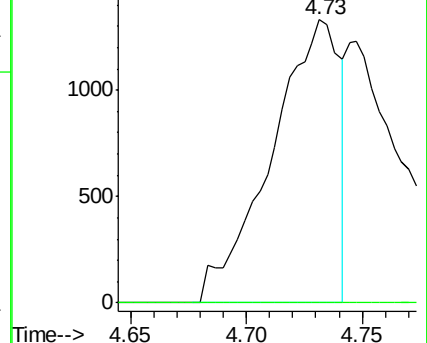
59 100

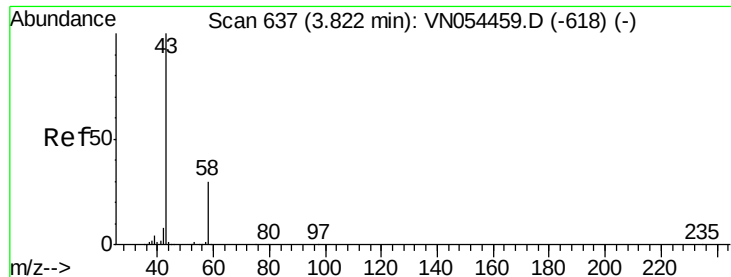
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

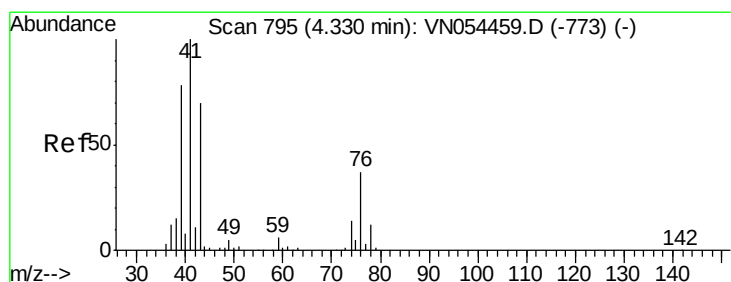
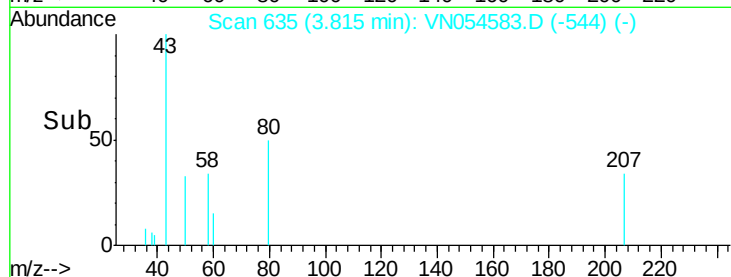
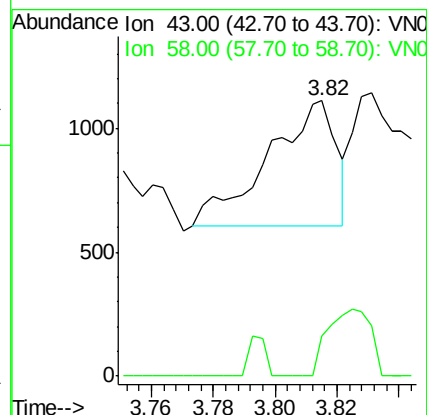
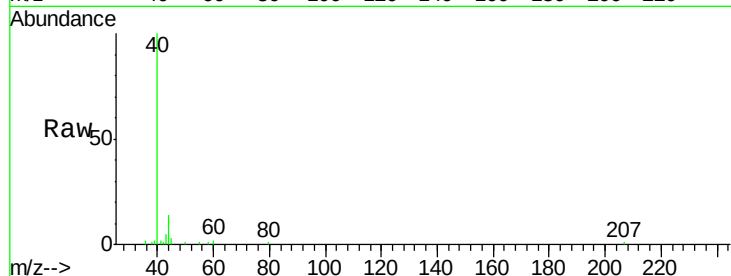




#16
Acetone
Concen: 0.379 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.01 min
Lab File: VN054583.D
Acq: 23 Mar 2019 3:43

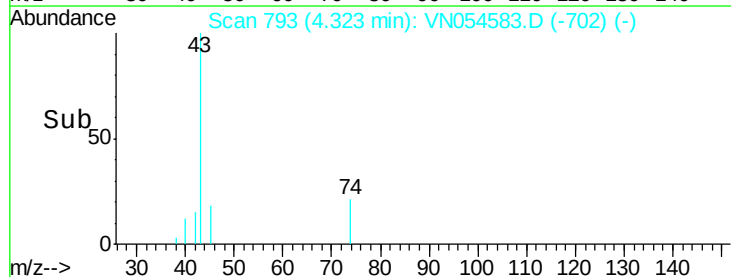
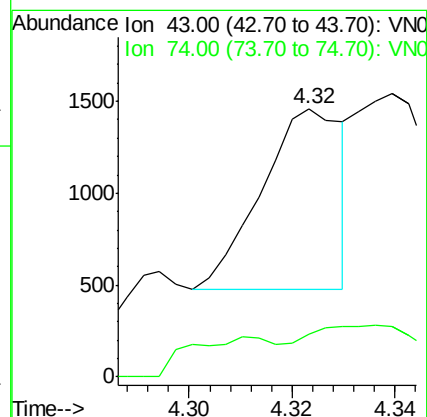
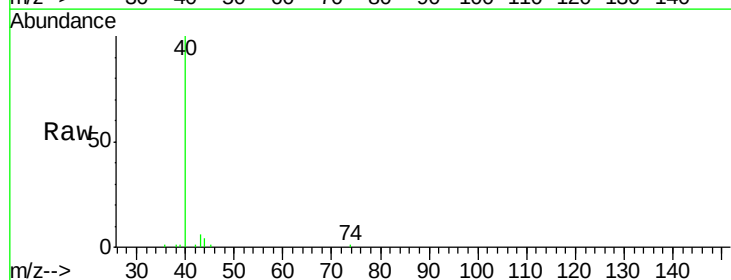
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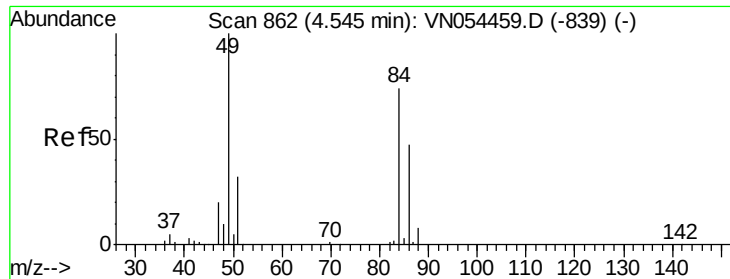
Tot Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
58 31.9 29.9 44.9



#18
Methyl Acetate
Concen: 0.237 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN054583.D
Acq: 23 Mar 2019 3:43

Tgt Ion: 43 Resp: 1067
Ion Ratio Lower Upper
43 100
74 46.8 20.8 31.2#

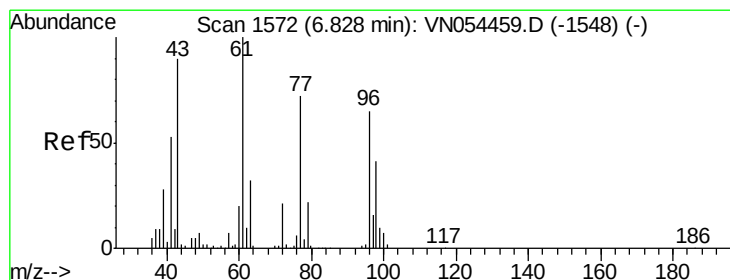
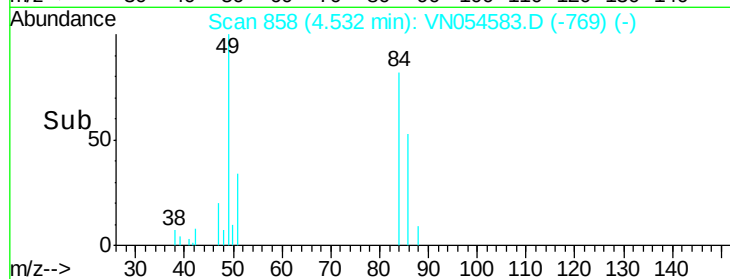
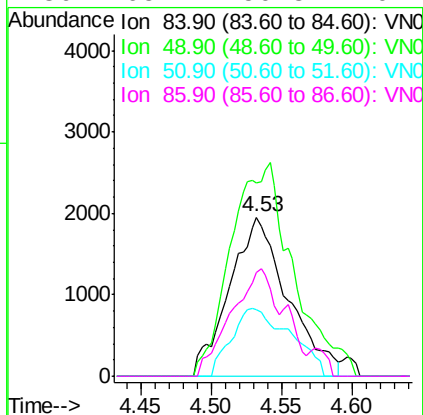
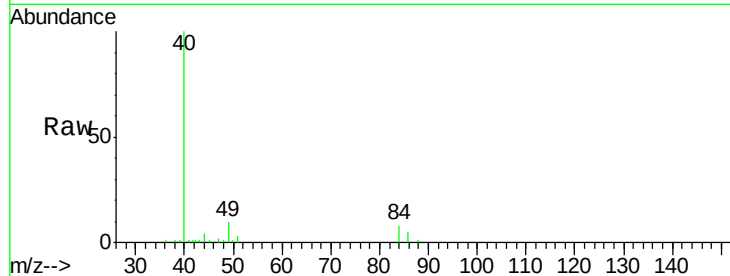




#20
Methvlene Chloride
Concen: 0.945 ug/l
RT: 4.53 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN054583.D
Acq: 23 Mar 2019 3:43

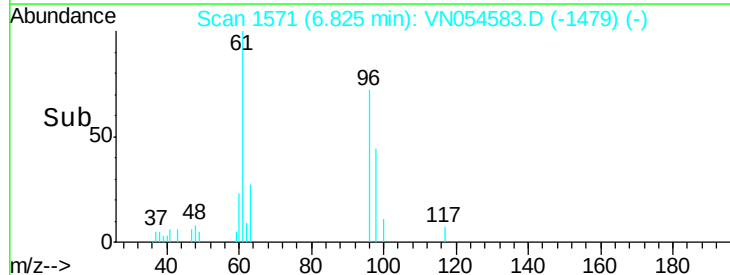
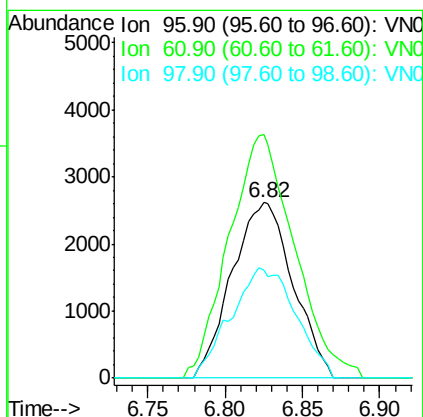
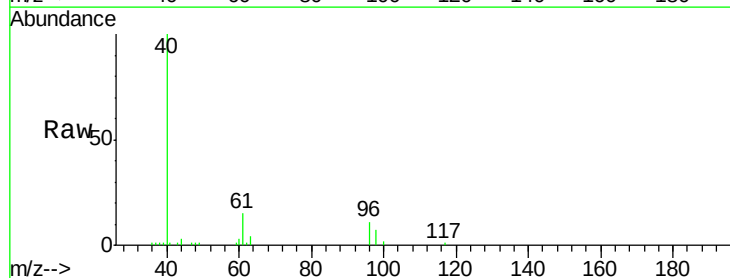
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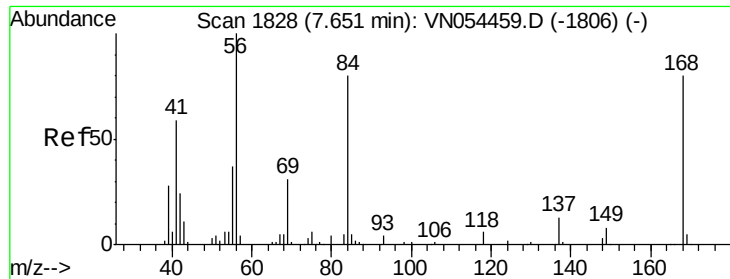
Tot Ion:	84	Resp:	5617
Ion	Ratio	Lower	Upper
84	100		
49	122.0	89.7	134.5
51	41.6	28.2	42.4
86	65.1	50.8	76.2



#27
cis-1,2-Dichloroethene
Concen: 1.132 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054583.D
Acq: 23 Mar 2019 3:43

Tgt Ion:	96	Resp:	7171
Ion	Ratio	Lower	Upper
96	100		
61	149.0	0.0	273.0
98	66.9	0.0	130.6

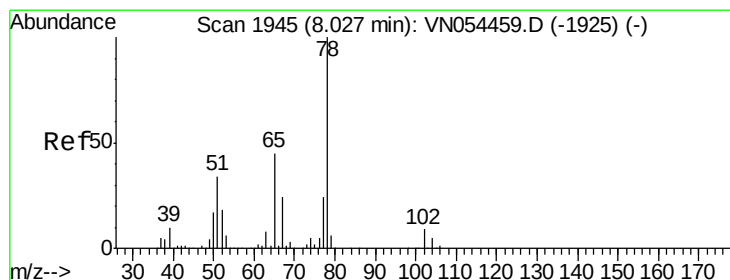
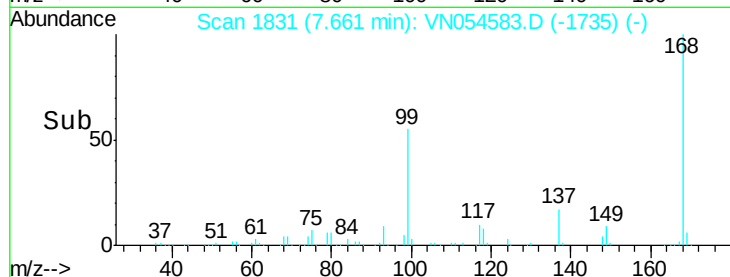
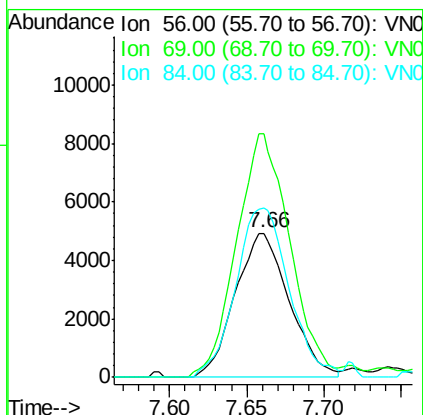
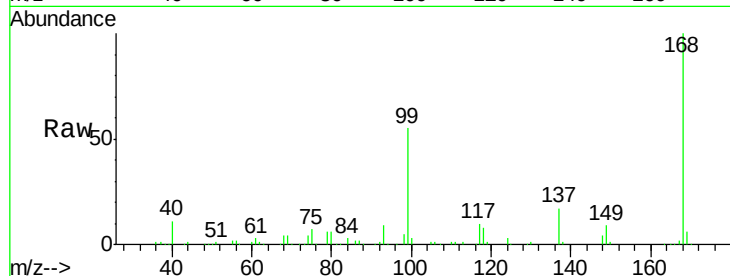




#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054583.D
Acq: 23 Mar 2019 3:43

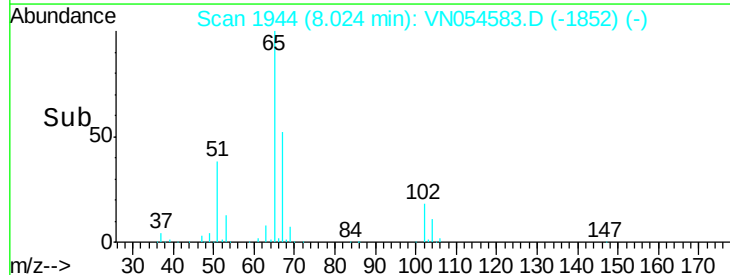
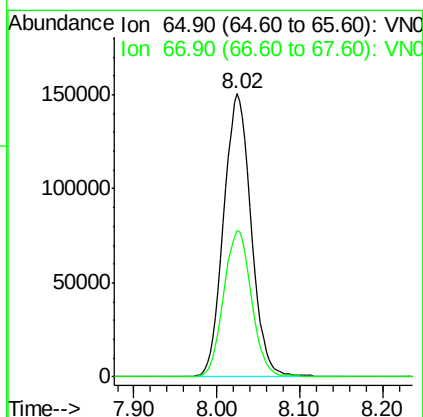
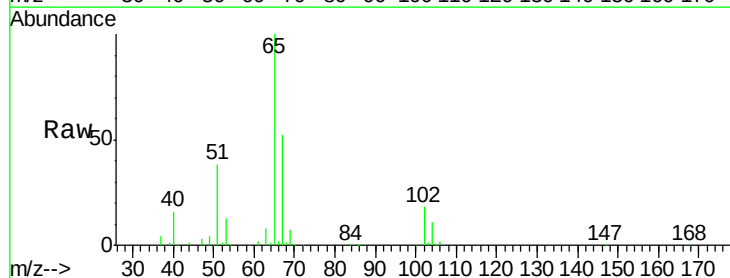
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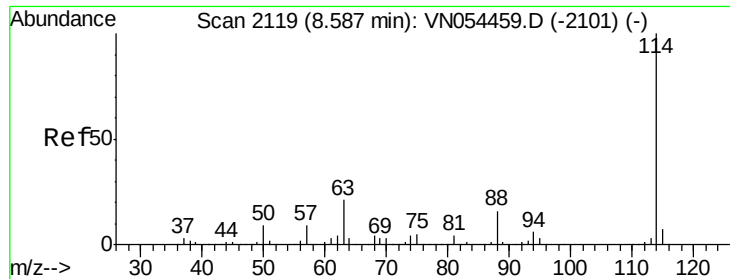
Tot Ion: 56 Resp: 11962
Ion Ratio Lower Upper
56 100
69 168.9 27.8 41.6#
84 117.5 74.6 111.8#



#33
1,2-Dichloroethane-d4
Concen: 51.816 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN054583.D
Acq: 23 Mar 2019 3:43

Tgt Ion: 65 Resp: 347598
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.6

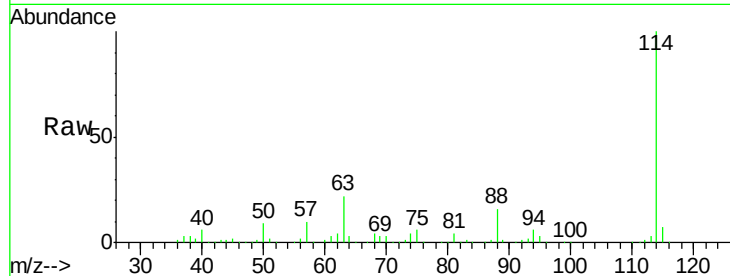




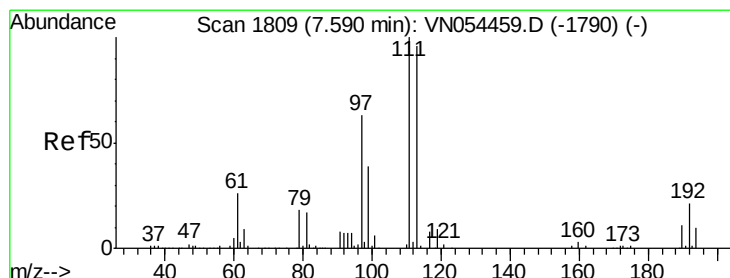
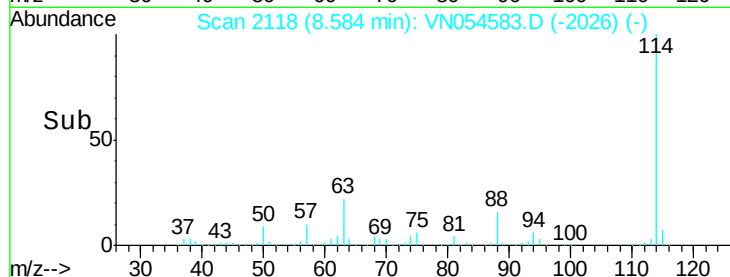
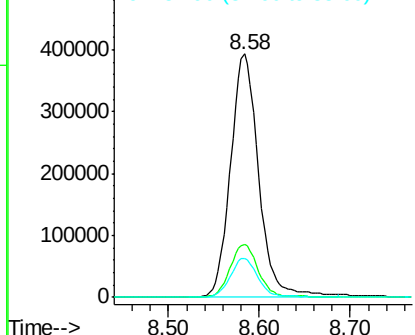
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN054583.D
Acq: 23 Mar 2019 3:43

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion:114 Resp: 850282
Ion Ratio Lower Upper
114 100
63 21.7 0.0 35.2
88 15.9 0.0 30.2

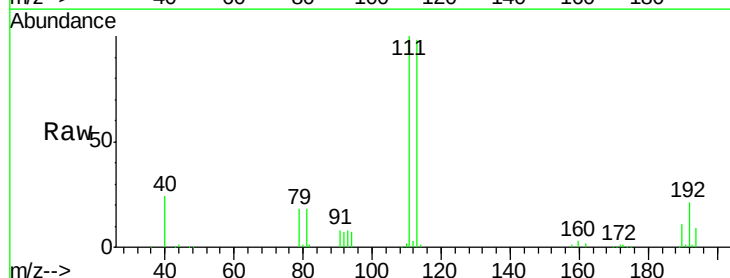


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

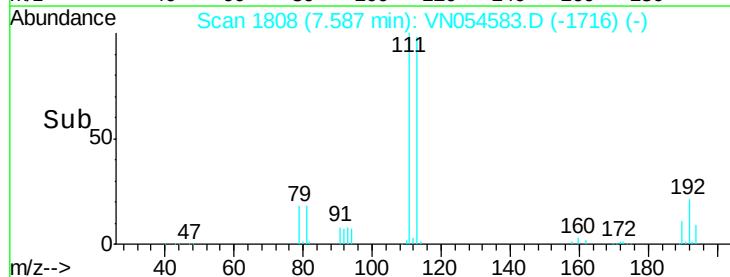
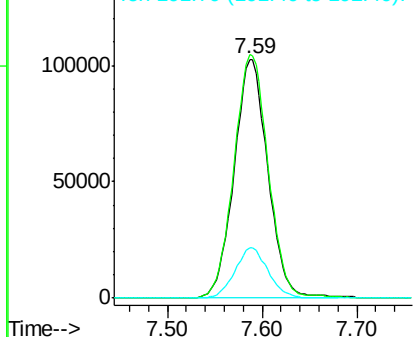


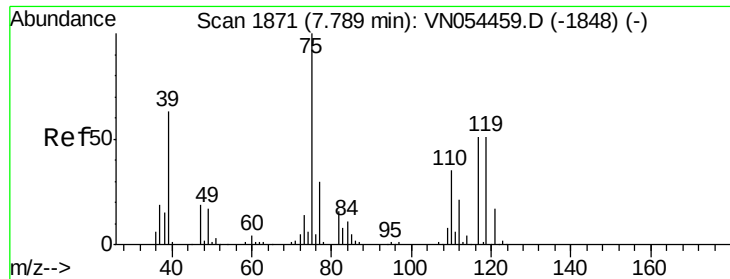
#35
Dibromofluoromethane
Concen: 46.394 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN054583.D
Acq: 23 Mar 2019 3:43

Tgt Ion:113 Resp: 254145
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.4
192 20.7 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

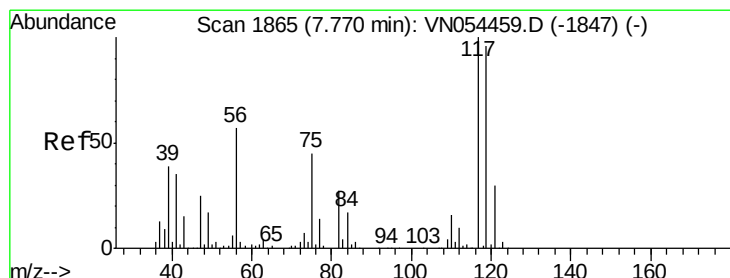
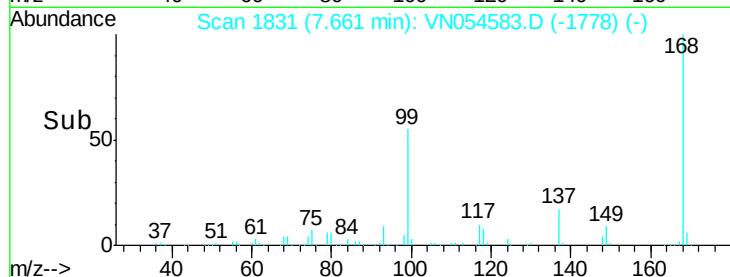
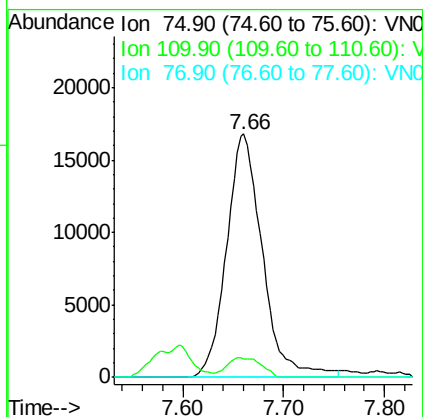
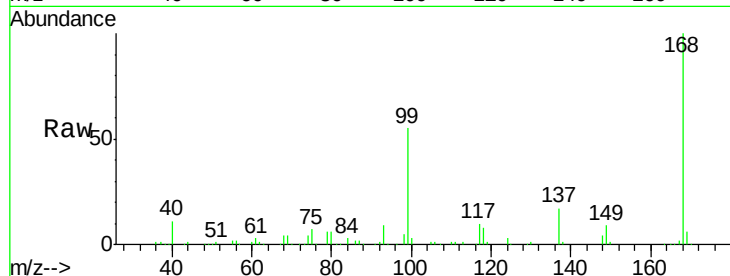




#36
 1,1-Dichloropropene
 Concen: 5.228 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN054583.D
 Acq: 23 Mar 2019 3:43

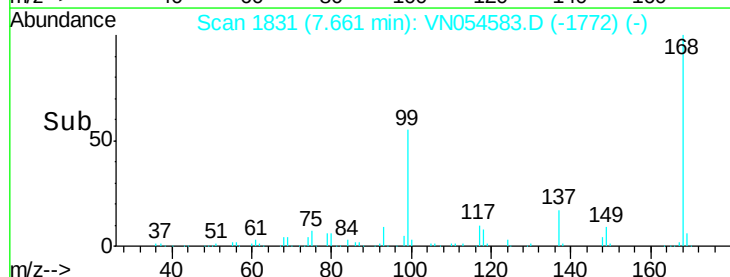
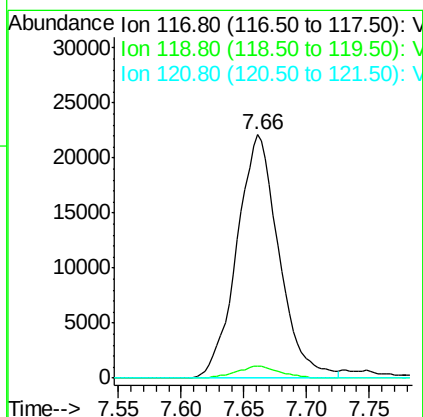
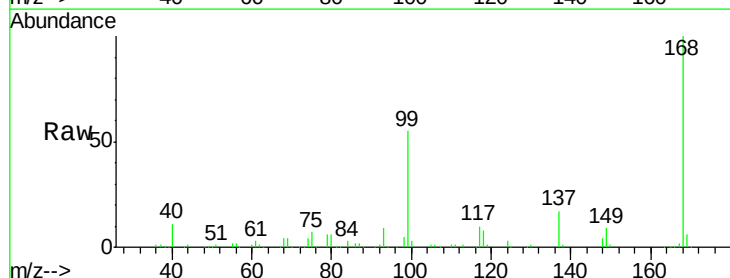
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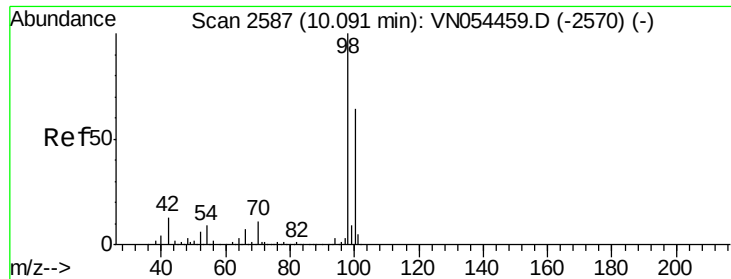
Tot Ion: 75 Resp: 41560
 Ion Ratio Lower Upper
 75 100
 110 7.7 19.1 57.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.686 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN054583.D
 Acq: 23 Mar 2019 3:43

Tgt Ion: 117 Resp: 51651
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.3 114.5#
 121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 49.950 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054583.D

Acq: 23 Mar 2019 3:43

Instrument :

MSVOA_N

ClientSampleId :

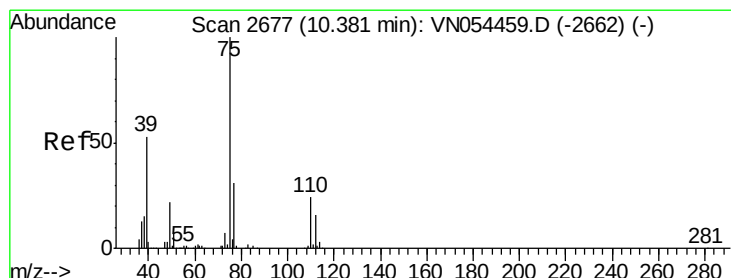
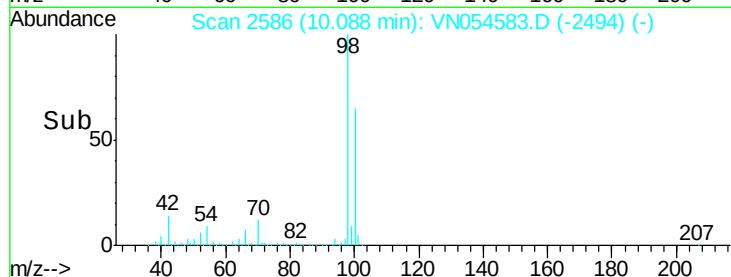
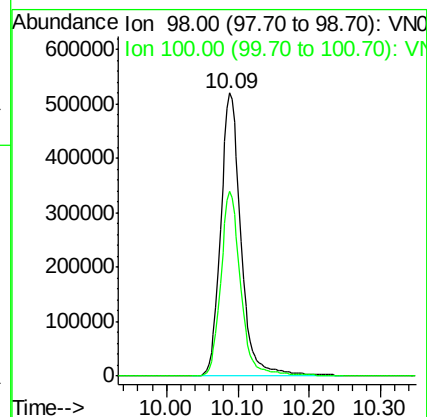
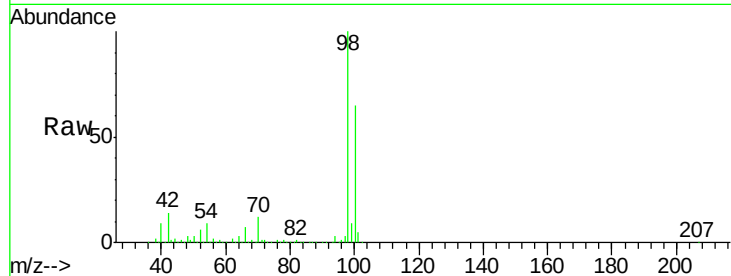
WP022SB438-190318-(25-27)

Tot Ion: 98 Resp: 1028653

Ion Ratio Lower Upper

98 100

100 63.3 51.2 76.8



#53

t-1,3-Dichloropropene

Concen: 2.236 ug/l

RT: 10.25 min Scan# 2636

Delta R.T. -0.13 min

Lab File: VN054583.D

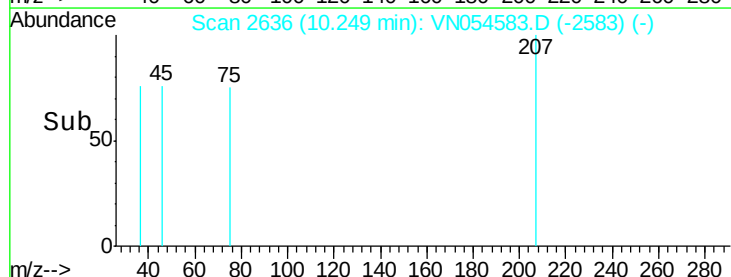
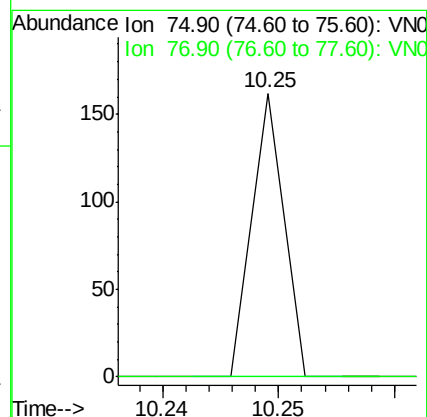
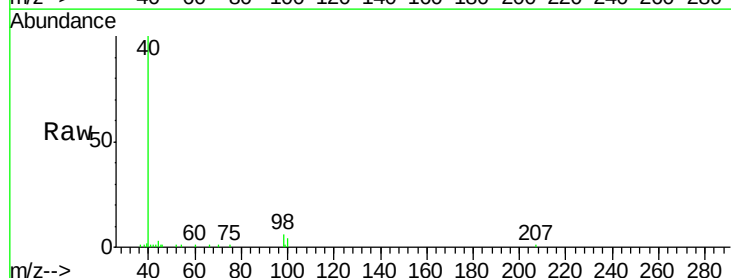
Acq: 23 Mar 2019 3:43

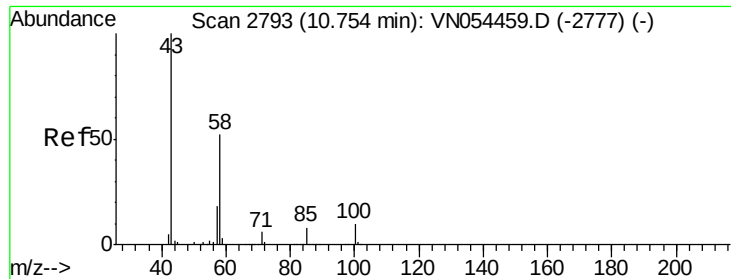
Tgt Ion: 75 Resp: 31

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 0.959 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.04 min

Lab File: VN054583.D

Acq: 23 Mar 2019 3:43

Instrument :

MSVOA_N

ClientSampleId :

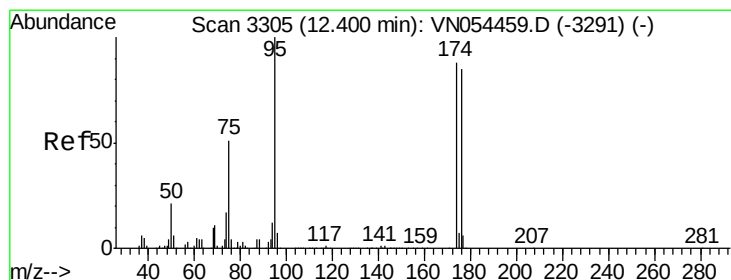
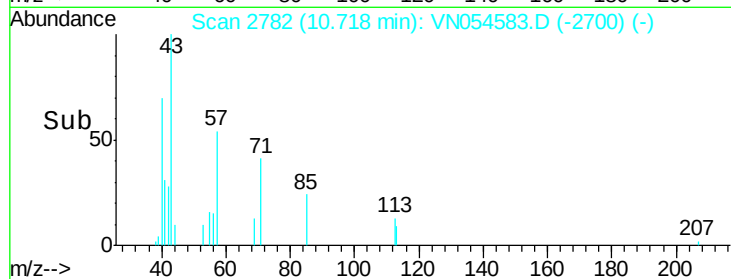
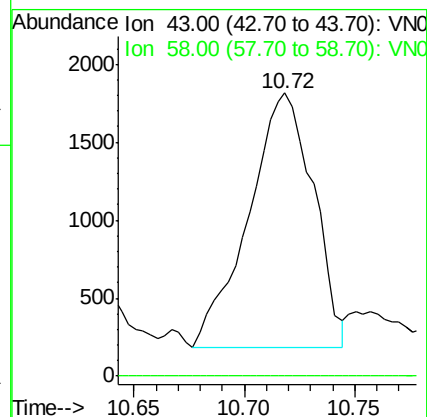
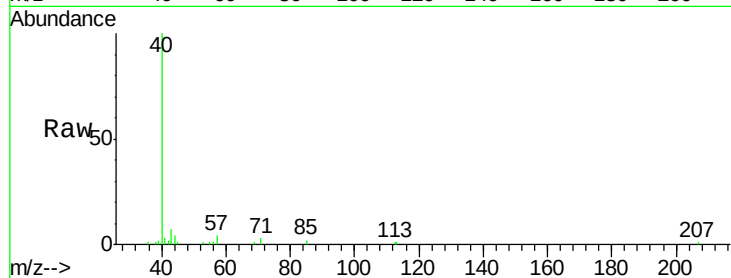
WP022SB438-190318-(25-27)

Tot Ion: 43 Resp: 3316

Ion Ratio Lower Upper

43 100

58 0.0 28.0 83.9#



#62

4-Bromofluorobenzene

Concen: 46.517 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054583.D

Acq: 23 Mar 2019 3:43

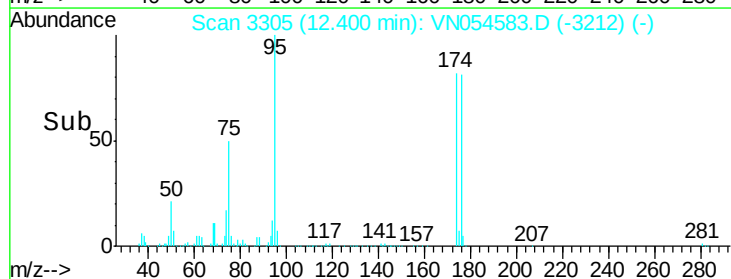
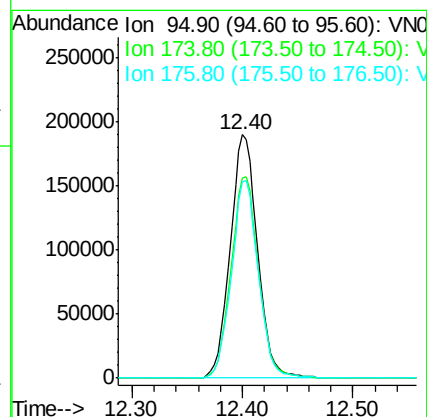
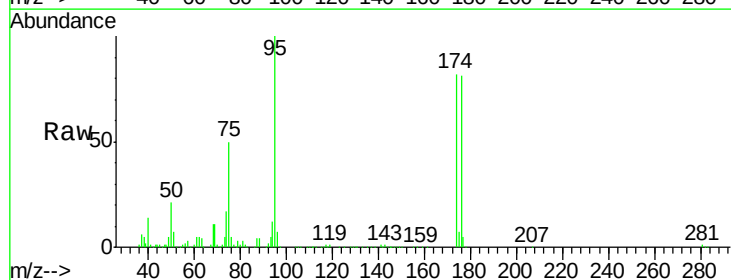
Tgt Ion: 95 Resp: 325976

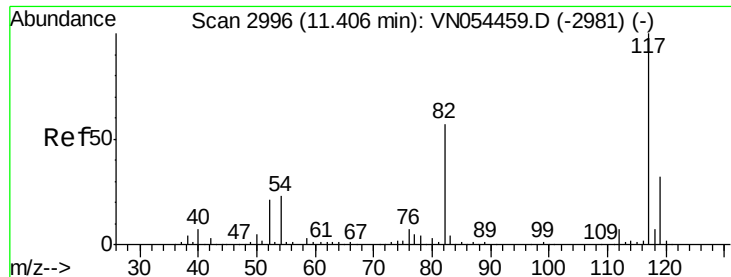
Ion Ratio Lower Upper

95 100

174 83.4 0.0 191.0

176 80.4 0.0 187.4

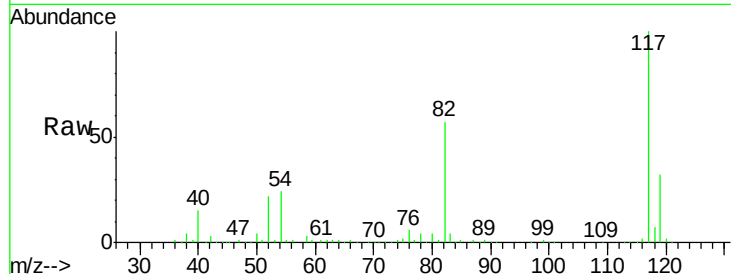




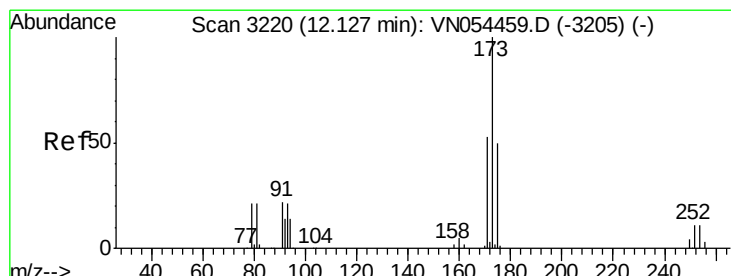
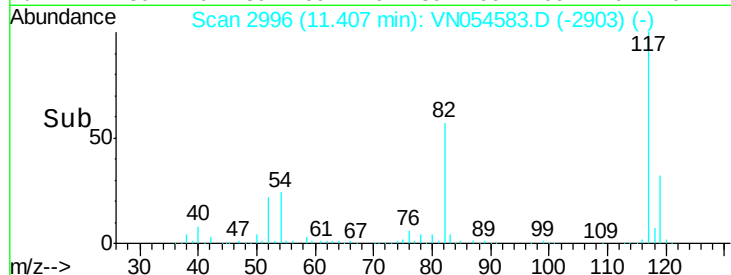
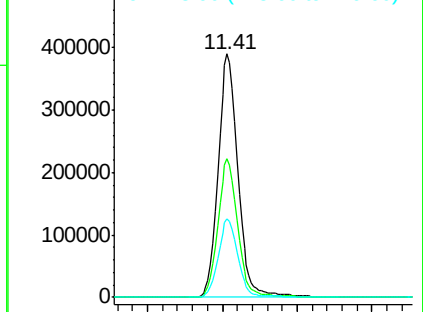
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054583.D
Acq: 23 Mar 2019 3:43

Instrument :
MSVOA_N
ClientSampleId :
WP022SB438-190318-(25-27)

Tot Ion:117 Resp: 716958
Ion Ratio Lower Upper
117 100
82 57.0 40.0 60.0
119 32.2 25.8 38.6

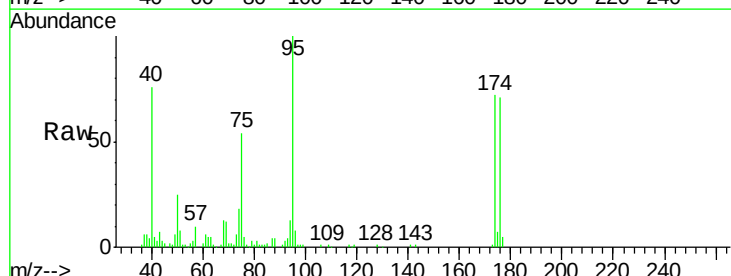


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

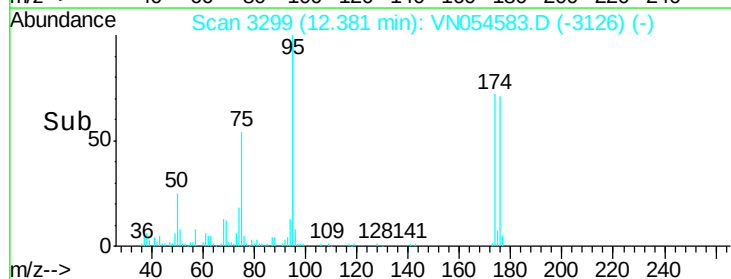
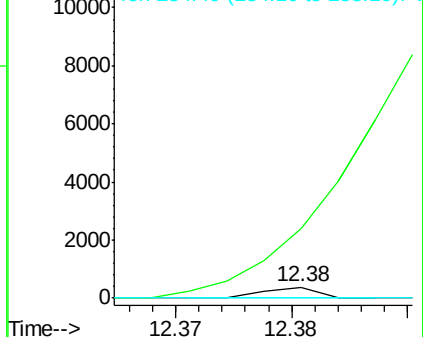


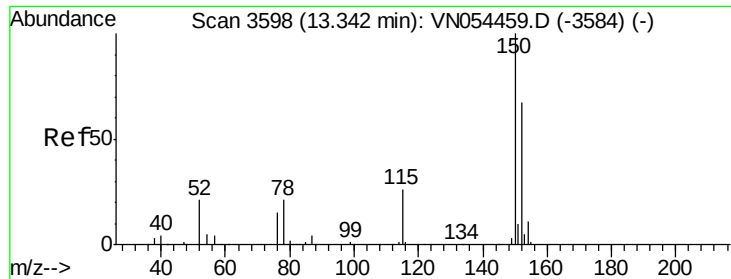
#71
Bromoform
Concen: 2.251 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.25 min
Lab File: VN054583.D
Acq: 23 Mar 2019 3:43

Tgt Ion:173 Resp: 116
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054583.D

Acq: 23 Mar 2019 3:43

Instrument :

MSVOA_N

ClientSampleId :

WP022SB438-190318-(25-27)

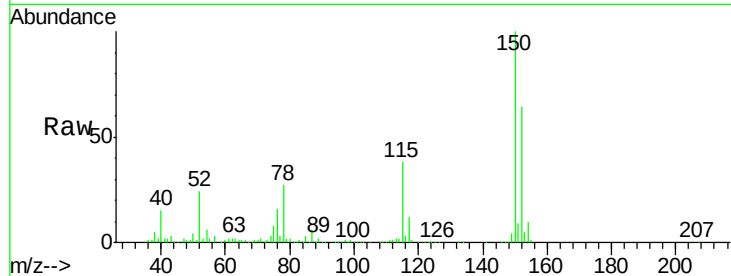
Tot Ion:152 Resp: 290789

Ion Ratio Lower Upper

152 100

115 59.2 27.2 81.6

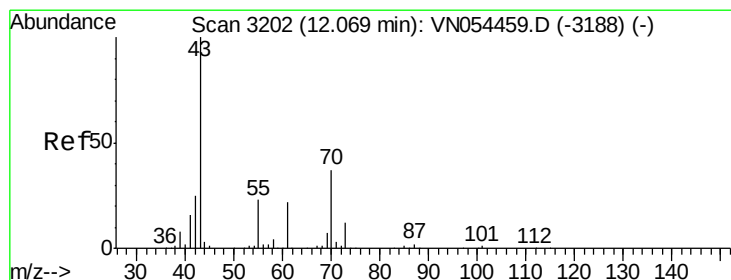
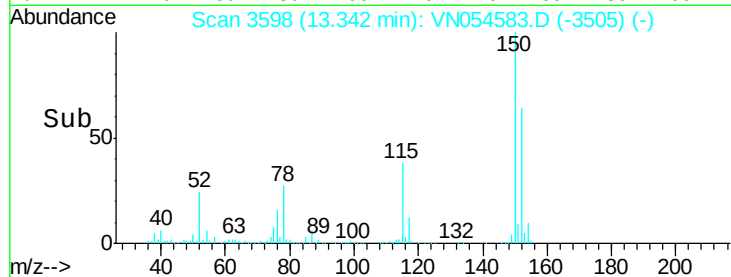
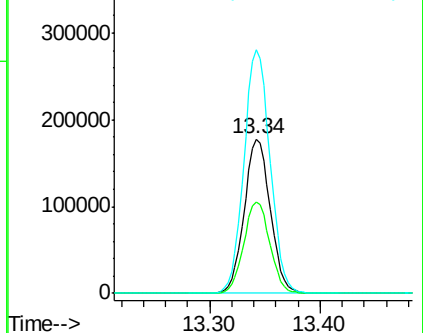
150 158.2 0.0 349.2



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



#74

N-ethyl acetate

Concen: 2.176 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054583.D

Acq: 23 Mar 2019 3:43

Tgt Ion: 43 Resp: 14664

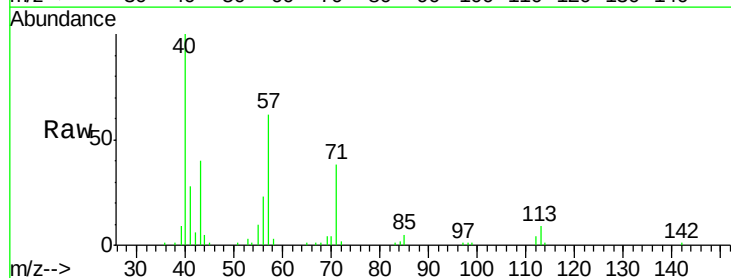
Ion Ratio Lower Upper

43 100

70 14.2 35.4 53.0#

55 25.7 19.8 29.6

61 0.0 19.8 29.6#

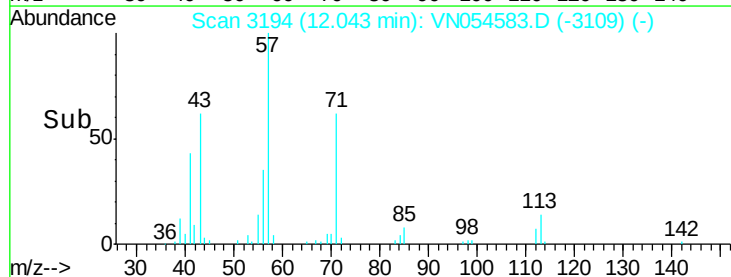
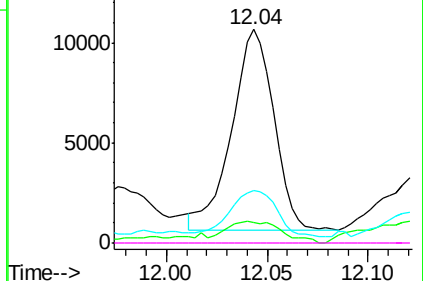


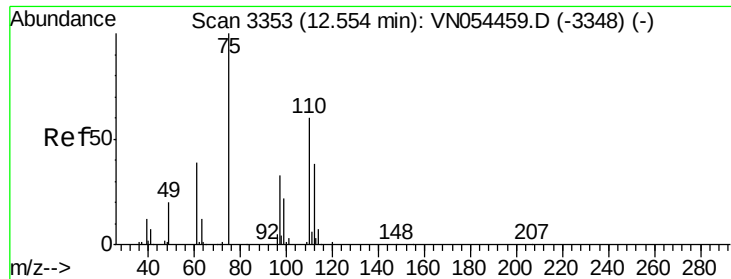
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 36.167 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054583.D

Acq: 23 Mar 2019 3:43

Instrument :

MSVOA_N

ClientSampleId :

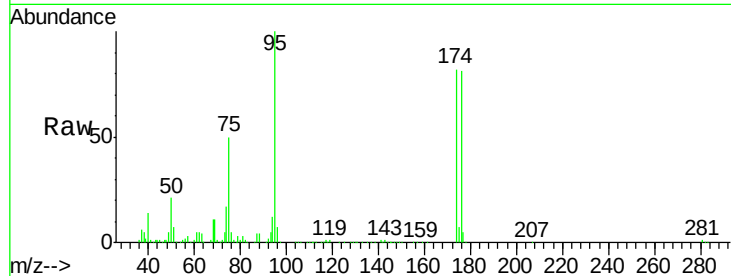
WP022SB438-190318-(25-27)

Tot Ion: 75 Resp: 166890

Ion Ratio Lower Upper

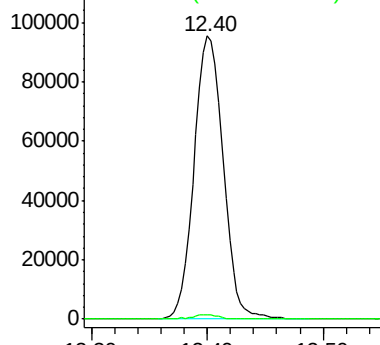
75 100

77 1.5 0.0 0.0#

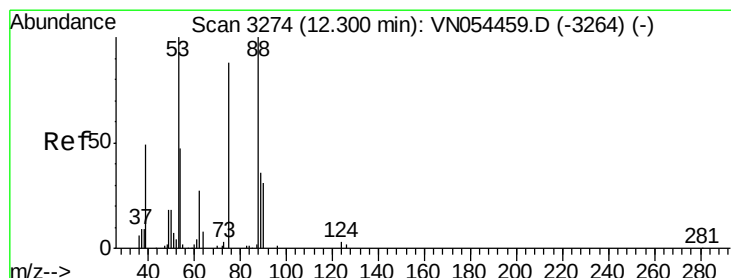
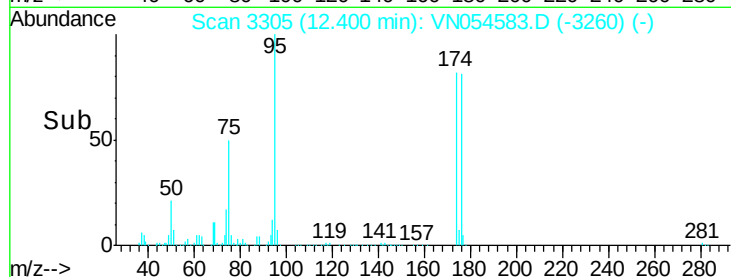


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 119.944 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054583.D

Acq: 23 Mar 2019 3:43

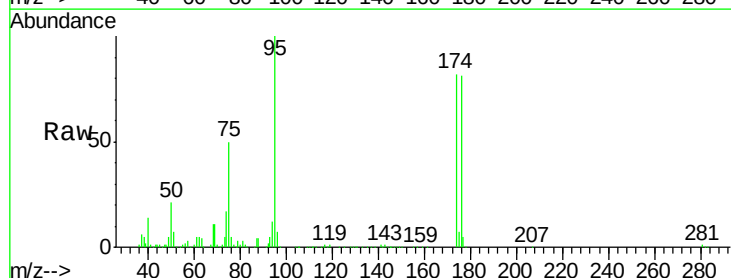
Tgt Ion: 75 Resp: 166890

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

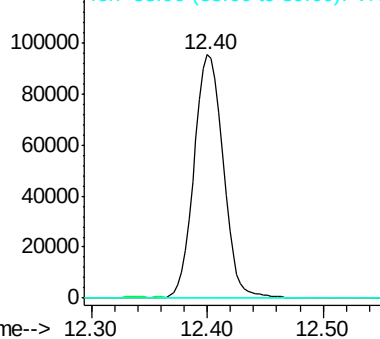
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time--> 12.30 12.40 12.50

