

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054581.D
 Acq On : 23 Mar 2019 2:48
 Operator : JC/SP
 Sample : K2045-07
 Misc : 7.11g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB438-190318-(19-21)

Quant Time: Mar 23 04:59:58 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	545441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	818173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	710034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	290580	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	344093	50.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.44%	
35) Dibromofluoromethane	7.59	113	250742	47.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.14%	
50) Toluene-d8	10.09	98	1007185	50.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.40	95	325092	48.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.42%	

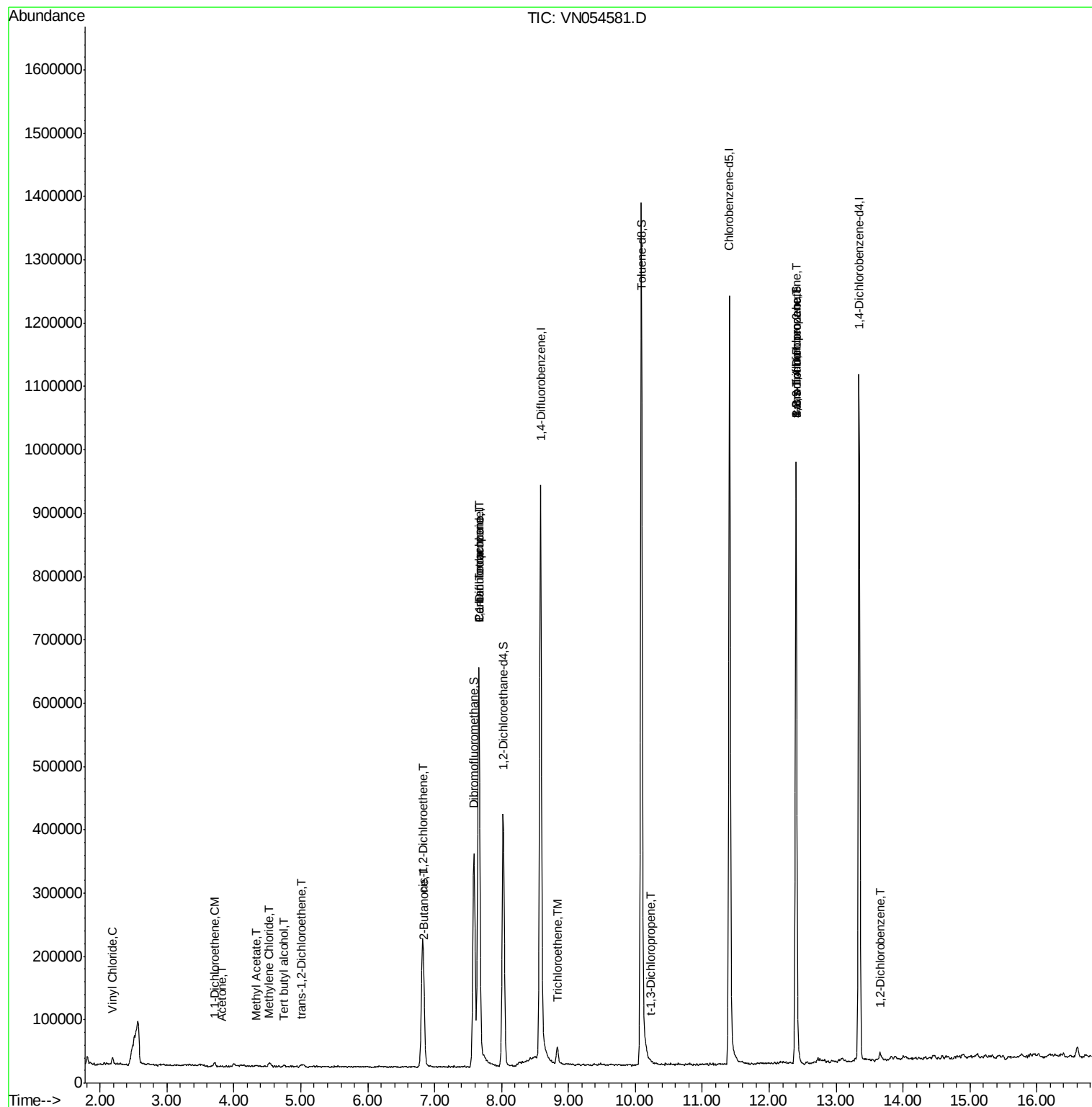
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	10433	1.465	ug/l	98
11) Tert butyl alcohol	4.74	59	537	1.307	ug/l #	70
12) 1,1-Dichloroethene	3.72	96	2363	0.449	ug/l	94
16) Acetone	3.82	43	609	0.299	ug/l #	38
18) Methyl Acetate	4.34	43	1737	0.382	ug/l	96
20) Methylene Chloride	4.54	84	3433	0.571	ug/l #	85
21) trans-1,2-Dichloroethene	5.01	96	1945	0.362	ug/l	86
25) 2-Butanone	6.85	43	555	0.212	ug/l #	38
27) cis-1,2-Dichloroethene	6.82	96	127806	19.946	ug/l	96
31) Cyclohexane	7.66	56	11070	Below Cal	#	9
36) 1,1-Dichloropropene	7.66	75	38859	5.080	ug/l #	48
38) Carbon Tetrachloride	7.66	117	50259	6.761	ug/l #	16
44) Trichloroethene	8.83	130	11435	1.880	ug/l	78
53) t-1,3-Dichloropropene	10.24	75	98	2.244	ug/l #	42
71) Bromoform	12.40	173	3270	3.095	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	166447	36.097	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	166447	119.718	ug/l #	11
91) 1,2-Dichlorobenzene	13.65	146	4080	0.438	ug/l	91

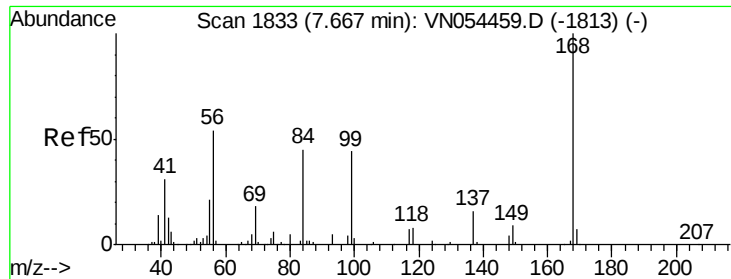
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
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: VN054581.D

Acq: 23 Mar 2019 2:48

Instrument :

MSVOA_N

ClientSampleId :

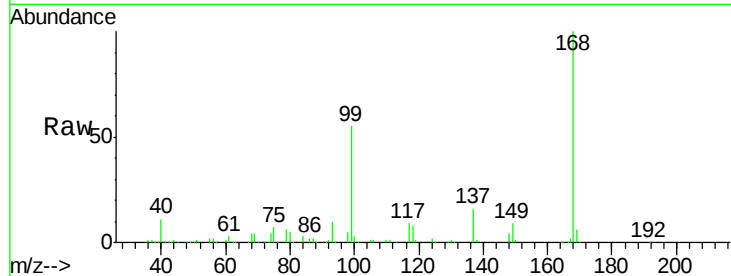
WP022SB438-190318-(19-21)

Tot Ion:168 Resp: 545441

Ion Ratio Lower Upper

168 100

99 55.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

150000

100000

50000

0

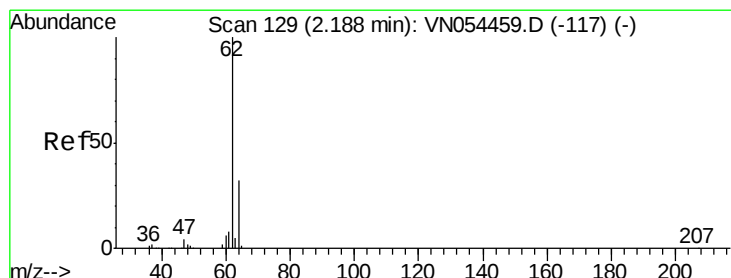
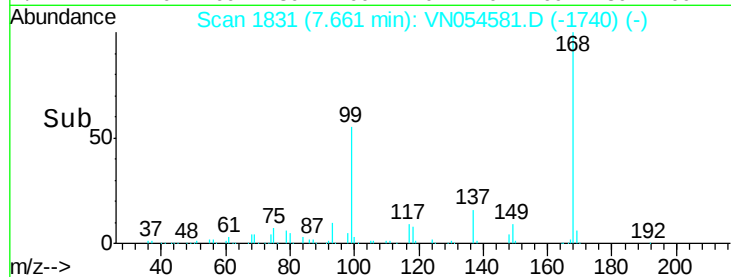
7.50

7.60

7.70

7.80

Time-->



#4

Vinyl Chloride

Concen: 1.465 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054581.D

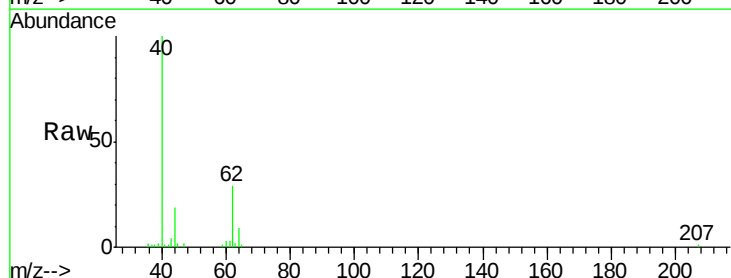
Acq: 23 Mar 2019 2:48

Tgt Ion: 62 Resp: 10433

Ion Ratio Lower Upper

62 100

64 30.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

6000

4000

2000

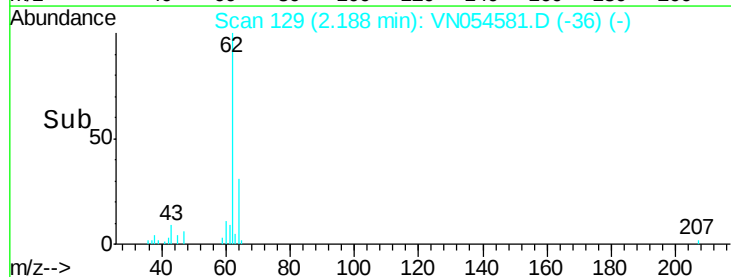
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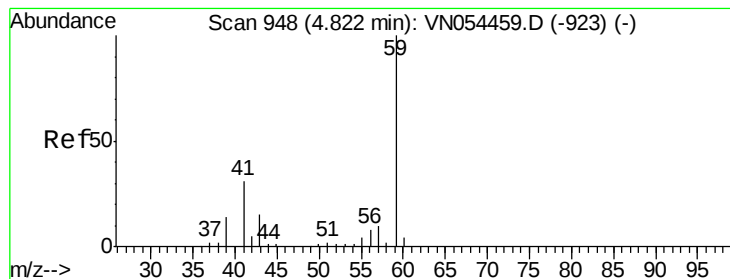
2.15

2.20

2.25

Time-->



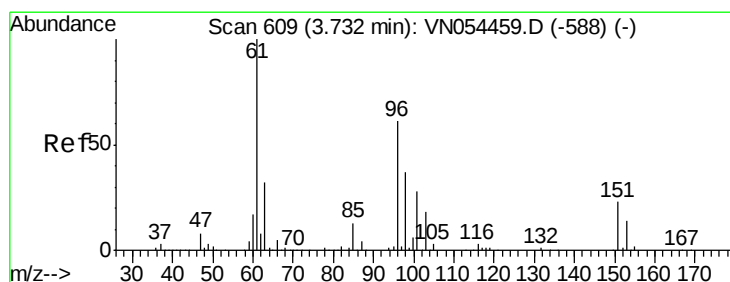
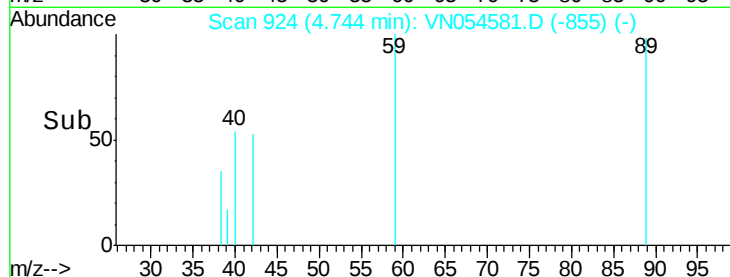
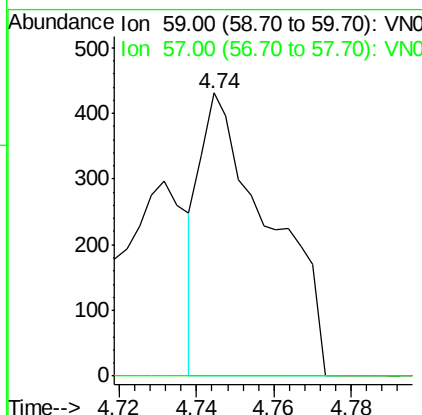
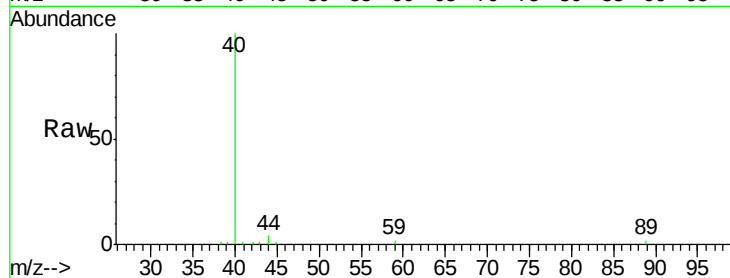


#11

Tert butyl alcohol
 Concen: 1.307 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. -0.08 min
 Lab File: VN054581.D
 Acq: 23 Mar 2019 2:48

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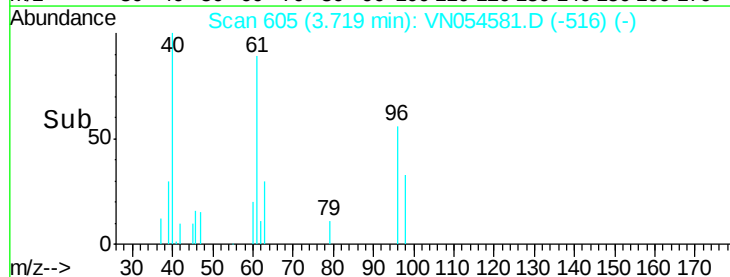
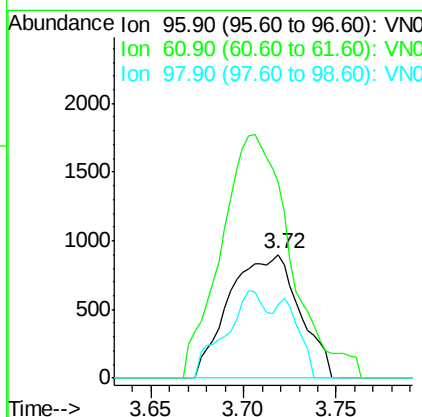
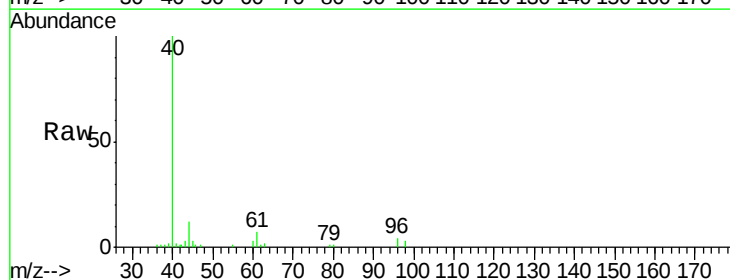
Tot Ion: 59 Resp: 537
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

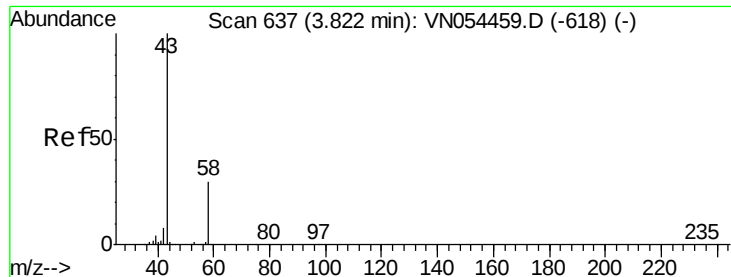


#12

1,1-Dichloroethene
 Concen: 0.449 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VN054581.D
 Acq: 23 Mar 2019 2:48

Tgt Ion: 96 Resp: 2363
 Ion Ratio Lower Upper
 96 100
 61 138.7 116.5 174.7
 98 58.9 51.0 76.4

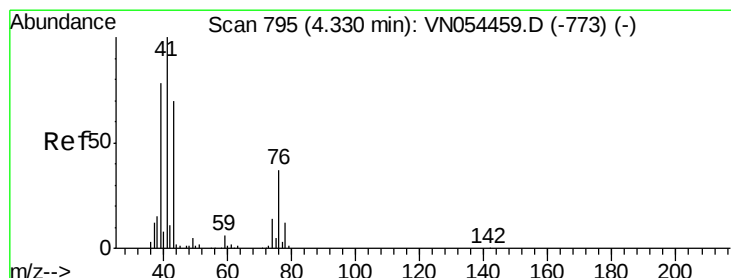
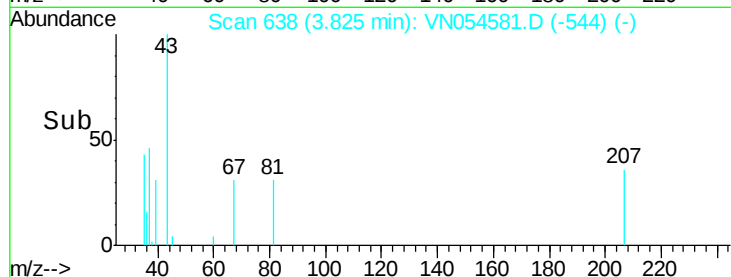
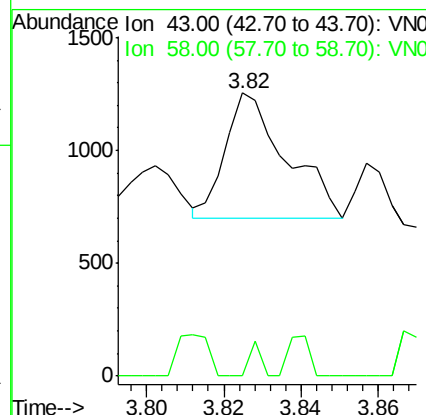
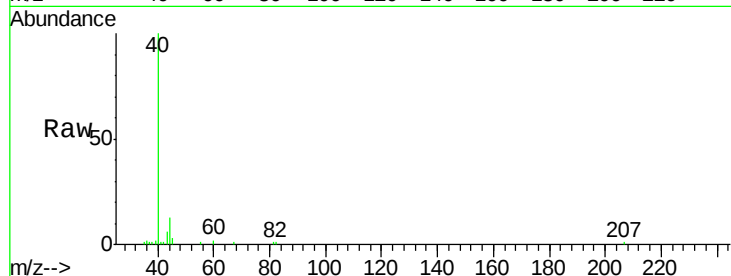




#16
Acetone
Concen: 0.299 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.00 min
Lab File: VN054581.D
Acq: 23 Mar 2019 2:48

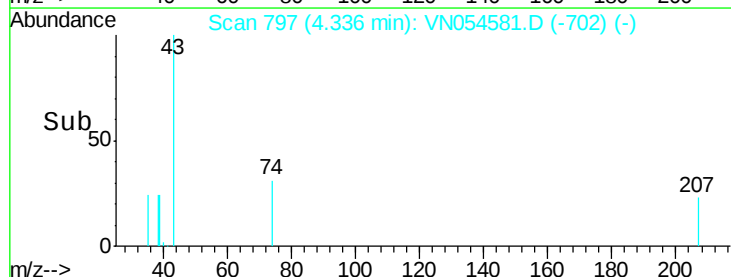
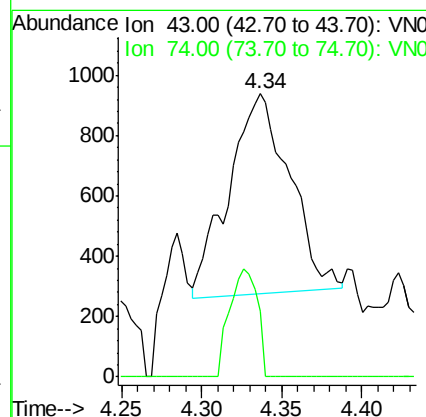
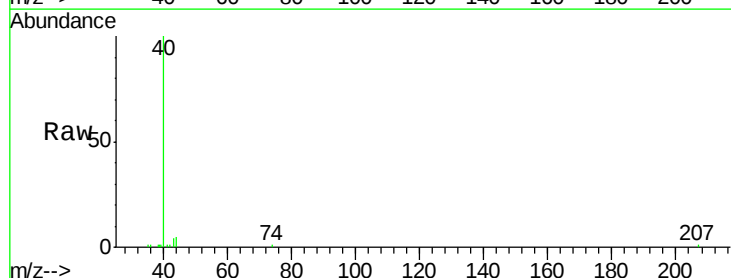
Instrument :
MSVOA_N
ClientSampleId :
WP022SB438-190318-(19-21)

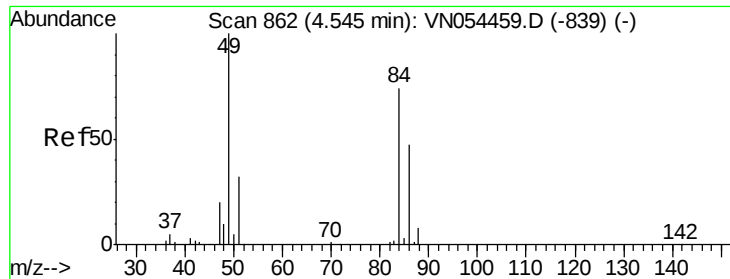
Tot Ion: 43 Resp: 609
Ion Ratio Lower Upper
43 100
58 0.0 29.9 44.9#



#18
Methyl Acetate
Concen: 0.382 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN054581.D
Acq: 23 Mar 2019 2:48

Tgt Ion: 43 Resp: 1737
Ion Ratio Lower Upper
43 100
74 24.1 20.8 31.2

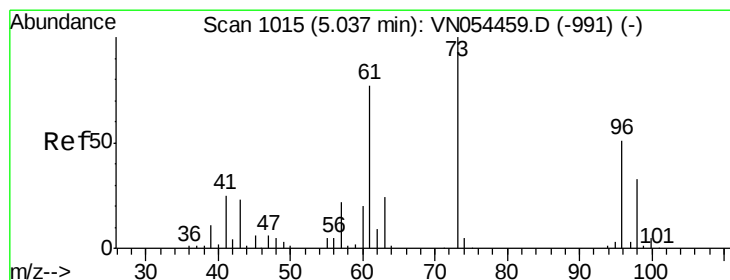
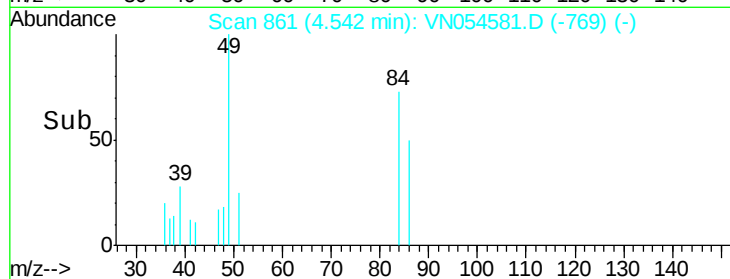
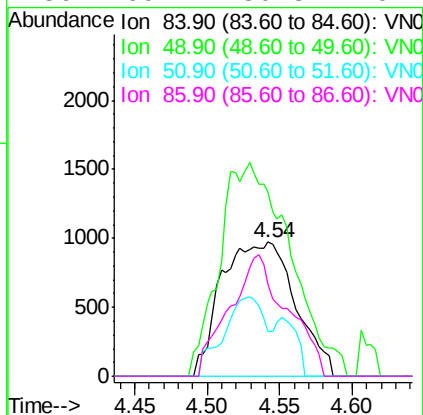
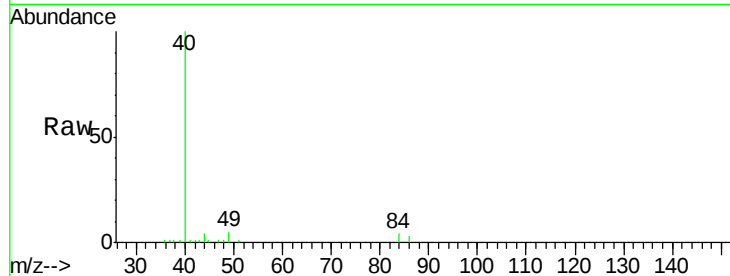




#20
Methvlene Chloride
Concen: 0.571 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN054581.D
Acq: 23 Mar 2019 2:48

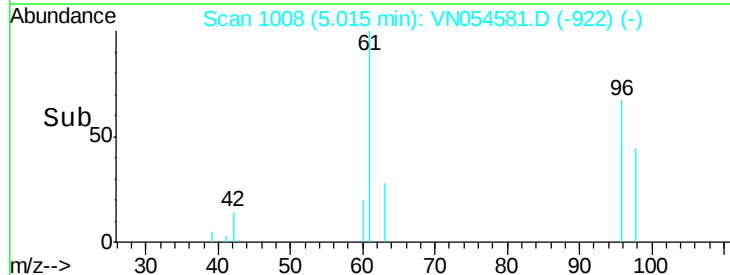
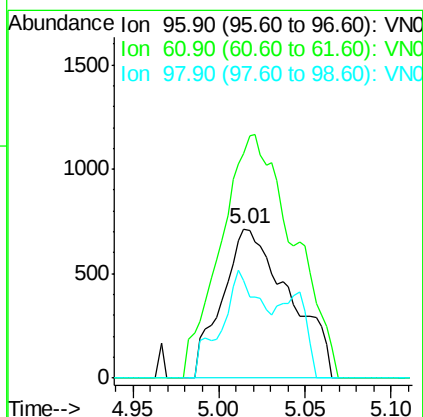
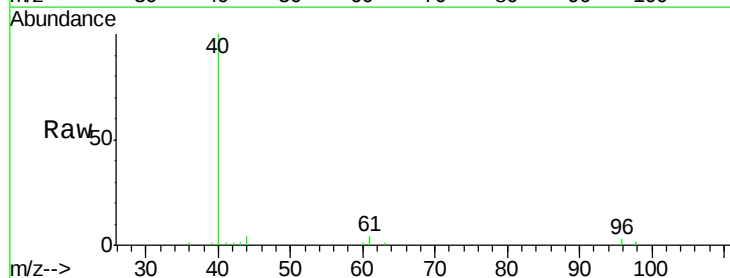
Instrument :
MSVOA_N
ClientSampleId :
WP022SB438-190318-(19-21)

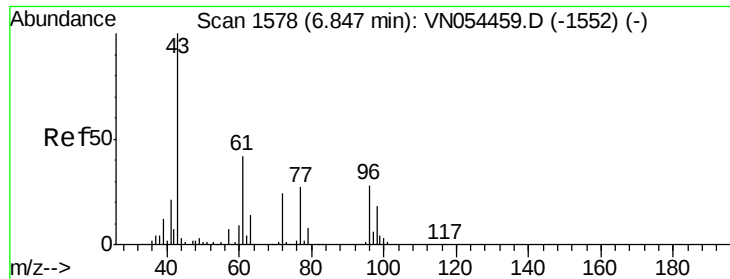
Tot Ion: 84 Resp: 3433
Ion Ratio Lower Upper
84 100
49 137.5 89.7 134.5#
51 33.9 28.2 42.4
86 69.1 50.8 76.2



#21
trans-1,2-Dichloroethene
Concen: 0.362 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VN054581.D
Acq: 23 Mar 2019 2:48

Tgt Ion: 96 Resp: 1945
Ion Ratio Lower Upper
96 100
61 150.2 102.8 154.2
98 65.7 50.0 75.0

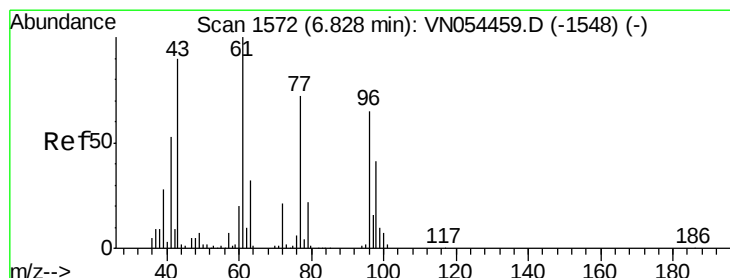
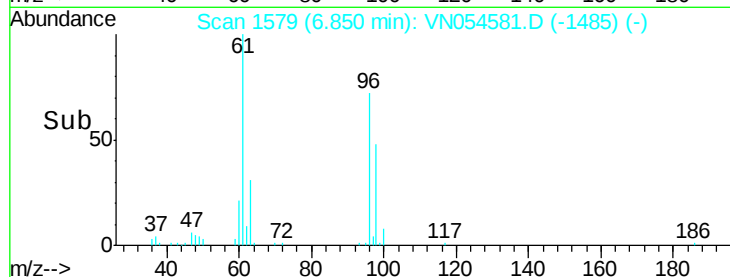
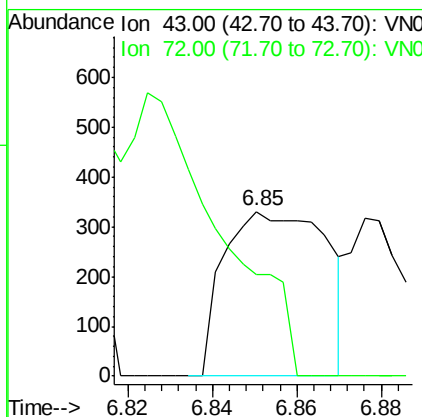
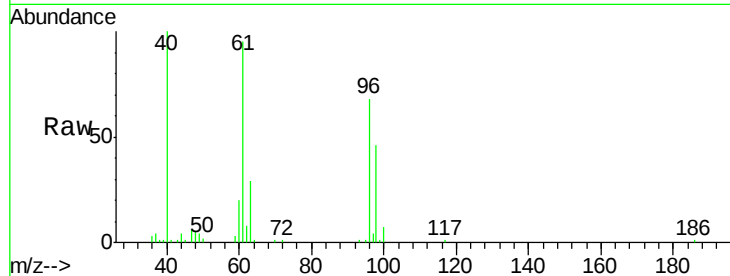




#25
2-Butanone
Concen: 0.212 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN054581.D
Acq: 23 Mar 2019 2:48

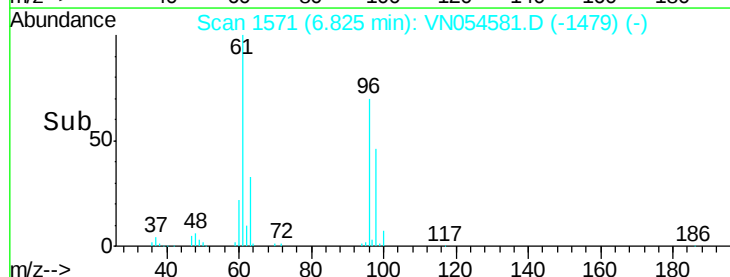
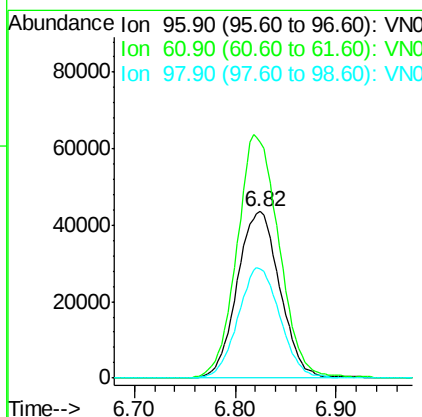
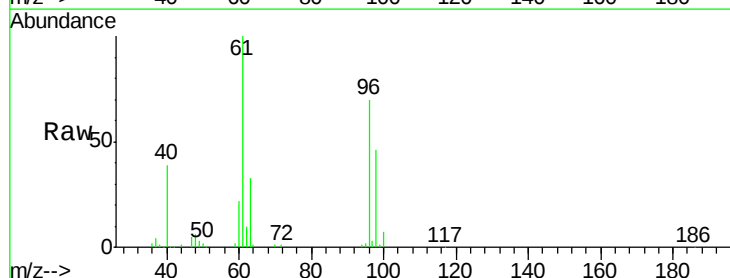
Instrument :
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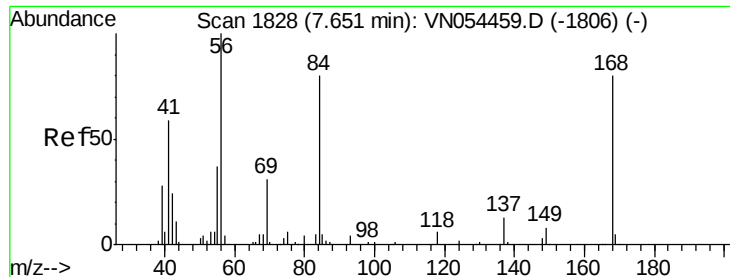
Tot Ion: 43 Resp: 555
Ion Ratio Lower Upper
43 100
72 61.9 23.0 34.6#



#27
cis-1,2-Dichloroethene
Concen: 19.946 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054581.D
Acq: 23 Mar 2019 2:48

Tgt Ion: 96 Resp: 127806
Ion Ratio Lower Upper
96 100
61 144.3 0.0 273.0
98 65.2 0.0 130.6





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN054581.D

Acq: 23 Mar 2019 2:48

Instrument :

MSVOA_N

ClientSampleId :

WP022SB438-190318-(19-21)

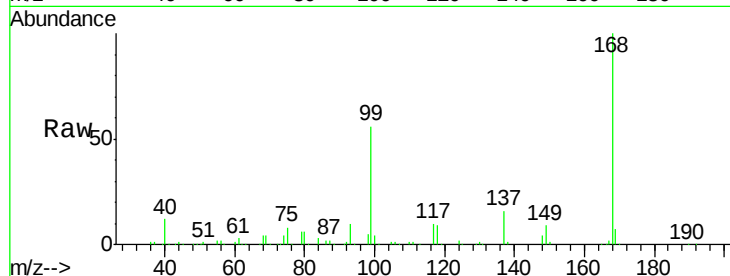
Tot Ion: 56 Resp: 11070

Ion Ratio Lower Upper

56 100

69 164.6 27.8 41.6#

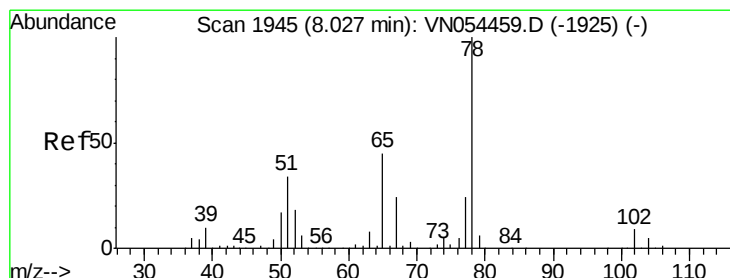
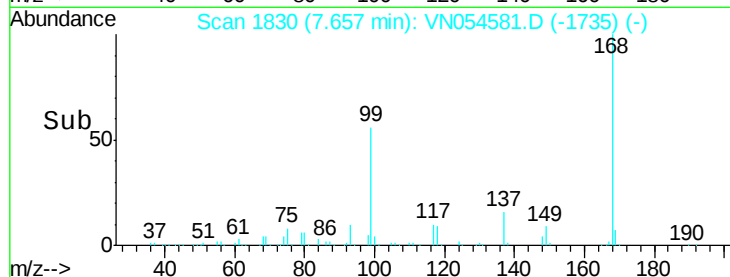
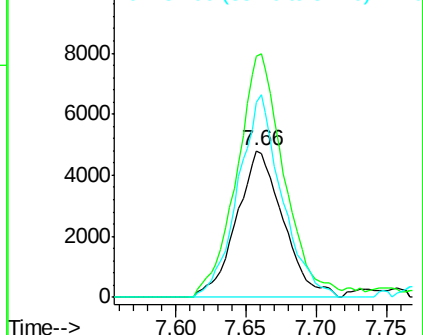
84 132.6 74.6 111.8#



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: 50.718 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054581.D

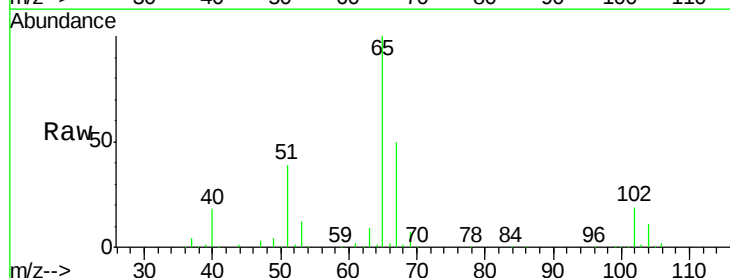
Acq: 23 Mar 2019 2:48

Tgt Ion: 65 Resp: 344093

Ion Ratio Lower Upper

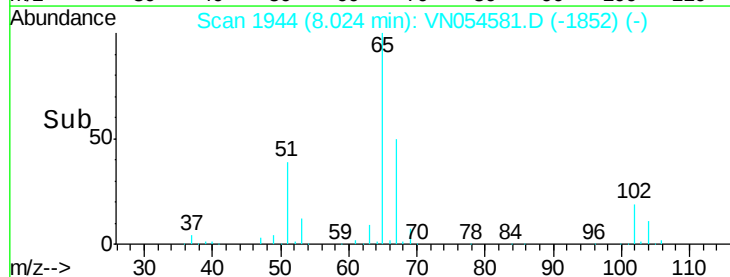
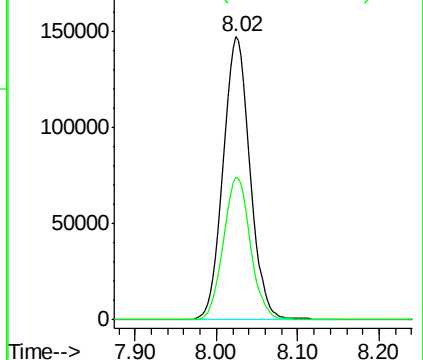
65 100

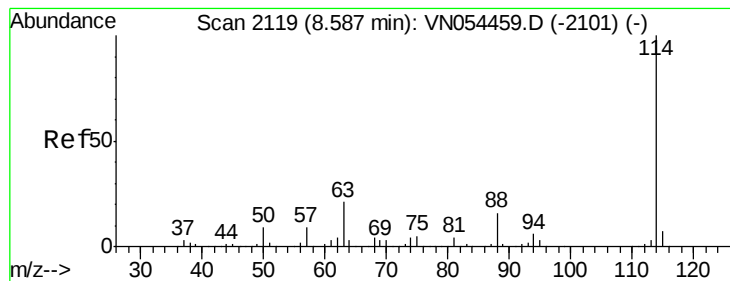
67 50.8 0.0 104.6



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: VN054581.D

Acq: 23 Mar 2019 2:48

Instrument :

MSVOA_N

ClientSampleId :

WP022SB438-190318-(19-21)

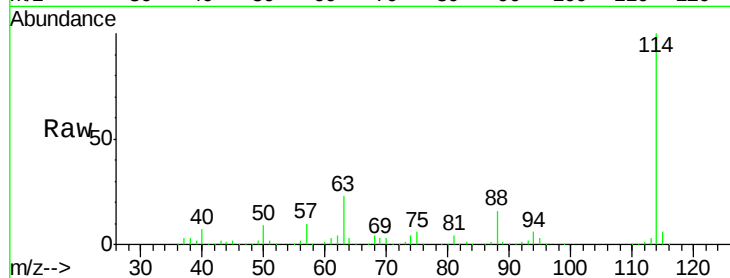
Tot Ion:114 Resp: 818173

Ion Ratio Lower Upper

114 100

63 22.6 0.0 35.2

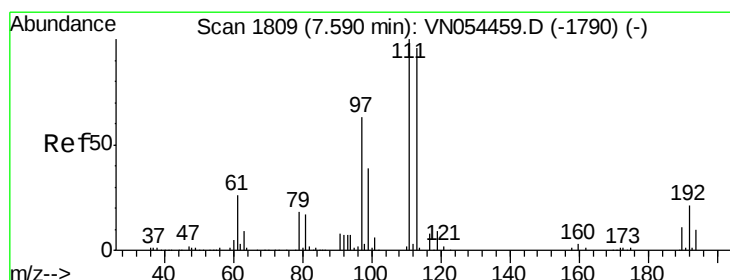
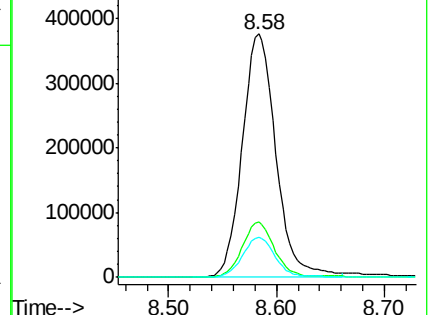
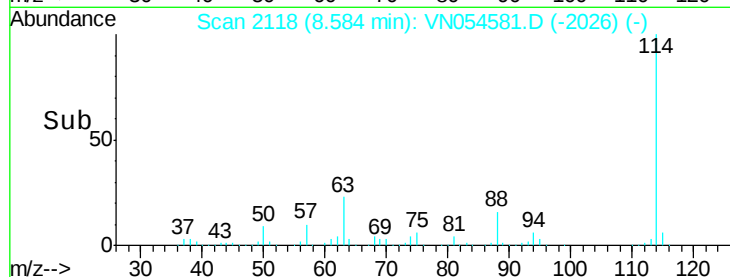
88 16.3 0.0 30.2



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: 47.570 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN054581.D

Acq: 23 Mar 2019 2:48

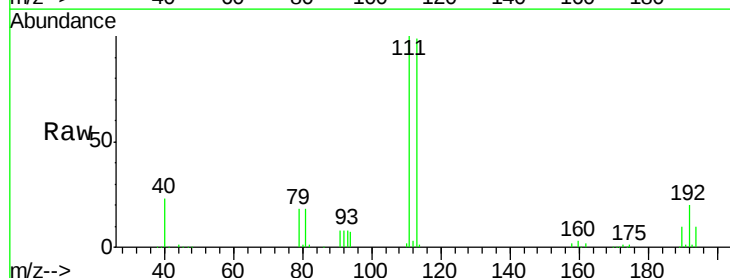
Tgt Ion:113 Resp: 250742

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

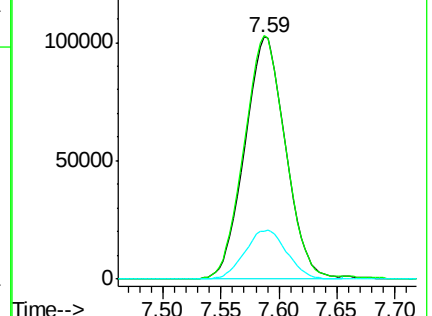
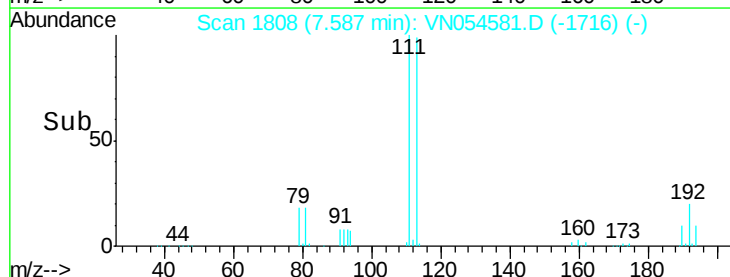
192 20.7 19.2 28.8

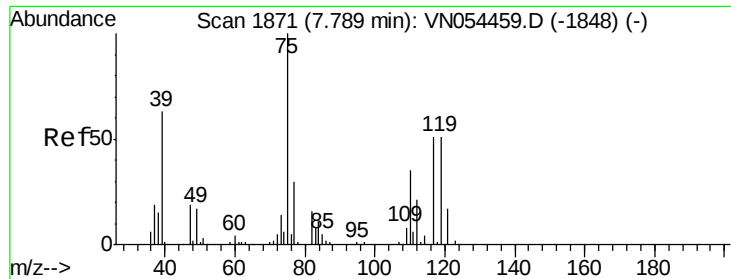


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

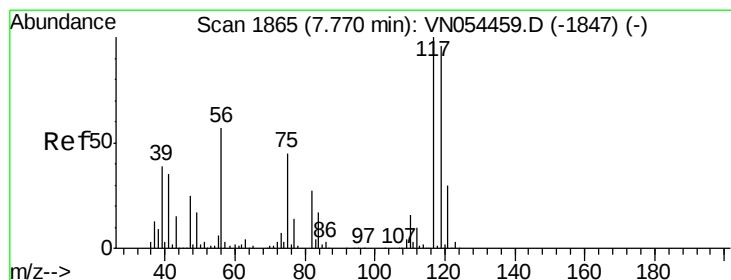
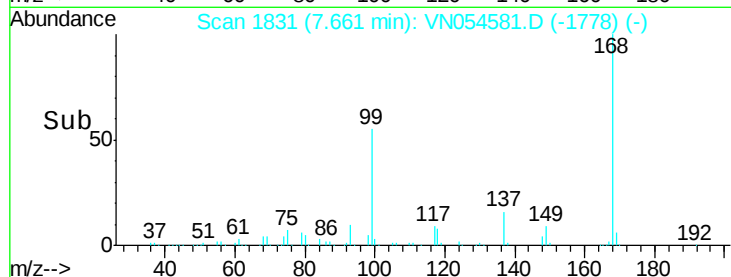
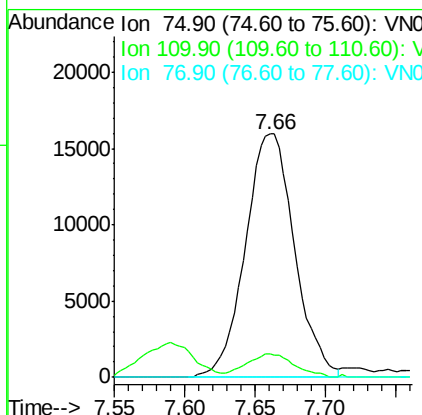
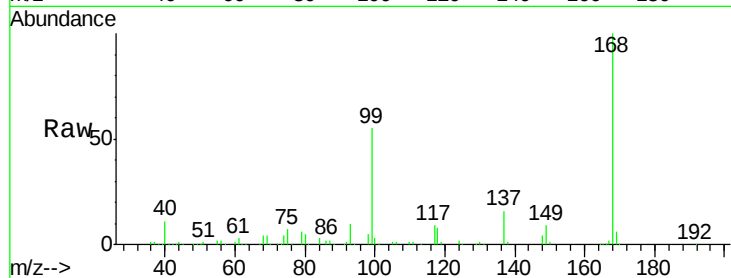




#36
 1,1-Dichloropropene
 Concen: 5.080 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN054581.D
 Acq: 23 Mar 2019 2:48

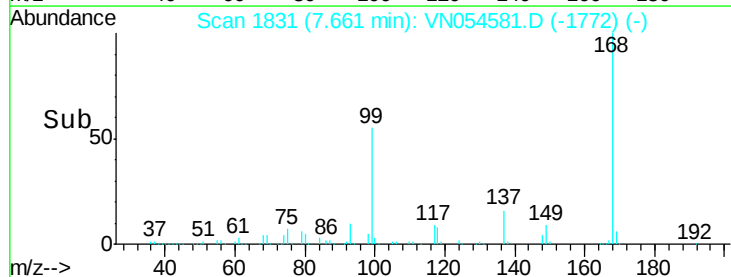
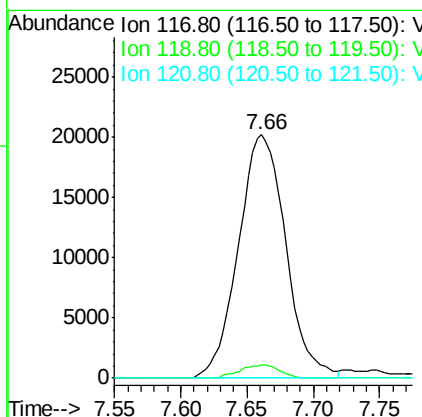
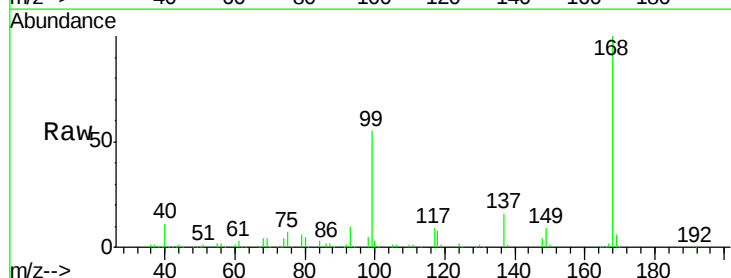
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB438-190318-(19-21)

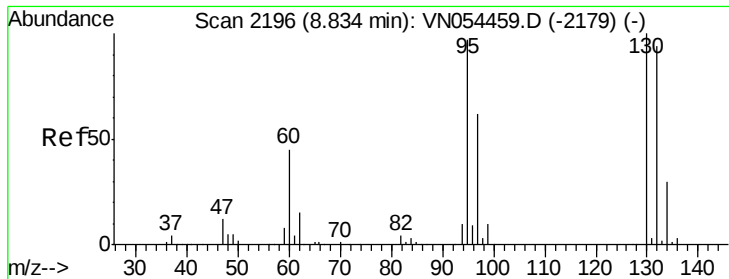
Tot Ion	75	Resp	38859
Ion Ratio	Lower	Upper	
75	100		
110	9.6	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.761 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN054581.D
 Acq: 23 Mar 2019 2:48

Tgt Ion	117	Resp	50259
Ion Ratio	Lower	Upper	
117	100		
119	5.4	76.3	114.5#
121	0.0	24.6	36.8#

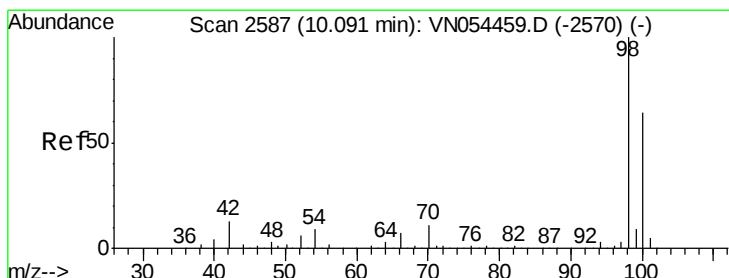
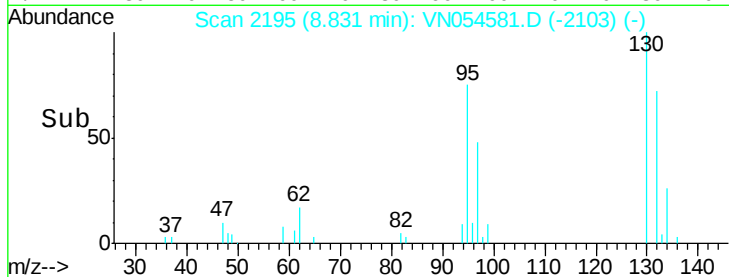
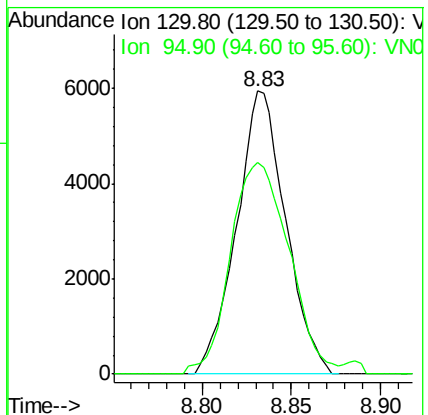
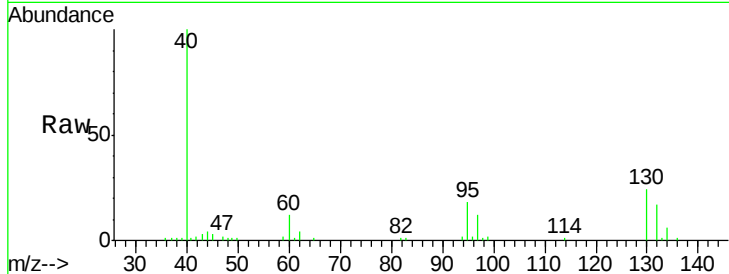




#44
 Trichloroethene
 Concen: 1.880 ug/l
 RT: 8.83 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN054581.D
 Acq: 23 Mar 2019 2:48

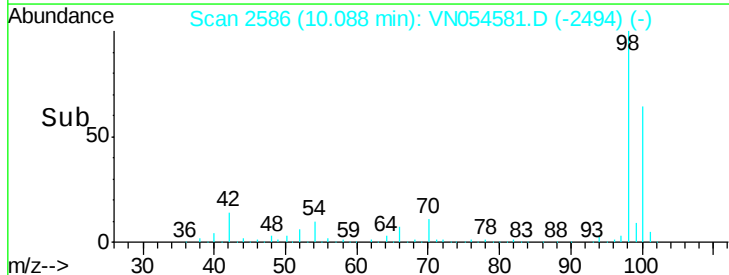
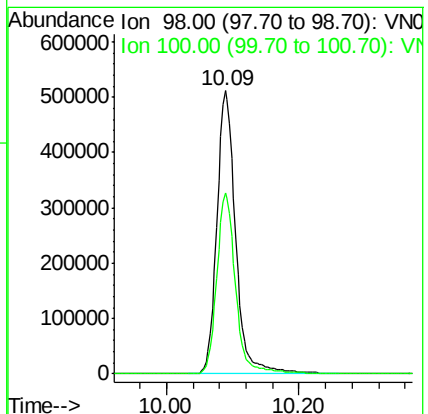
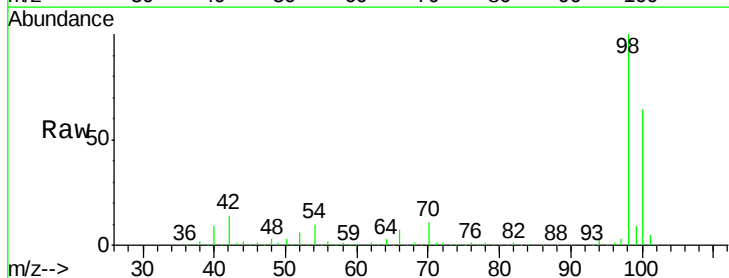
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB438-190318-(19-21)

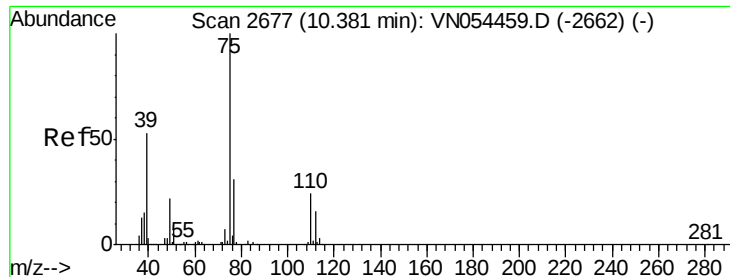
Tot Ion:130 Resp: 11435
 Ion Ratio Lower Upper
 130 100
 95 71.8 0.0 185.2



#50
 Toluene-d8
 Concen: 50.827 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN054581.D
 Acq: 23 Mar 2019 2:48

Tgt Ion: 98 Resp: 1007185
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.2 76.8





#53

t-1,3-Dichloropropene

Concen: 2.244 ug/l

RT: 10.24 min Scan# 2633

Delta R.T. -0.14 min

Lab File: VN054581.D

Acq: 23 Mar 2019 2:48

Instrument :

MSVOA_N

ClientSampleId :

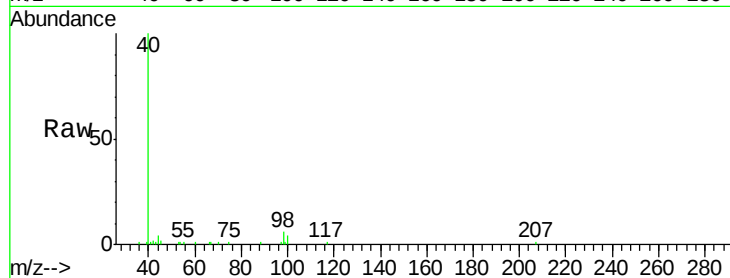
WP022SB438-190318-(19-21)

Tot Ion: 75 Resp: 98

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.24

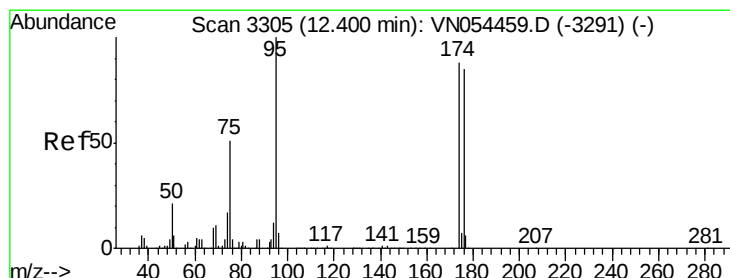
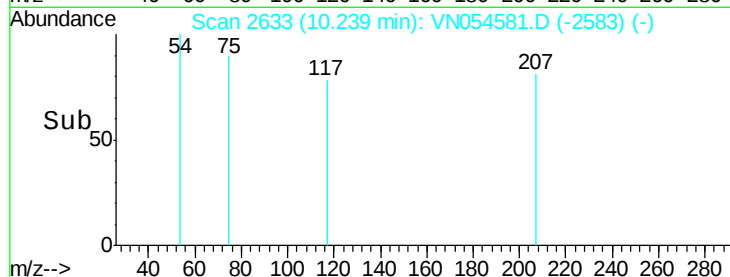
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.211 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054581.D

Acq: 23 Mar 2019 2:48

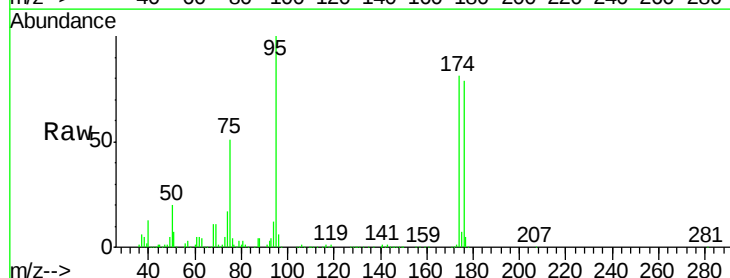
Tgt Ion: 95 Resp: 325092

Ion Ratio Lower Upper

95 100

174 84.0 0.0 191.0

176 80.1 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

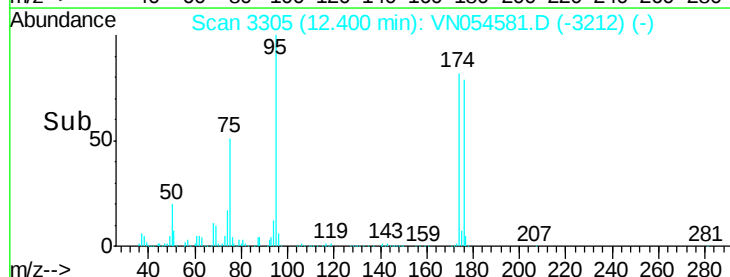
150000

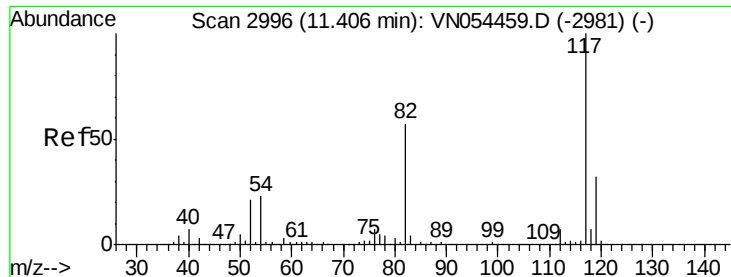
100000

50000

0

Time-->

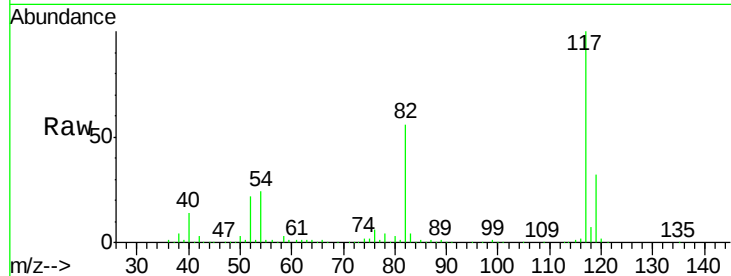




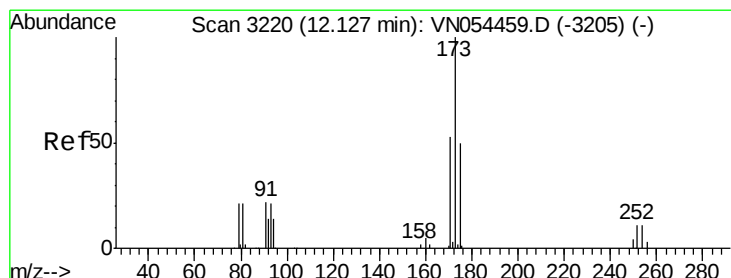
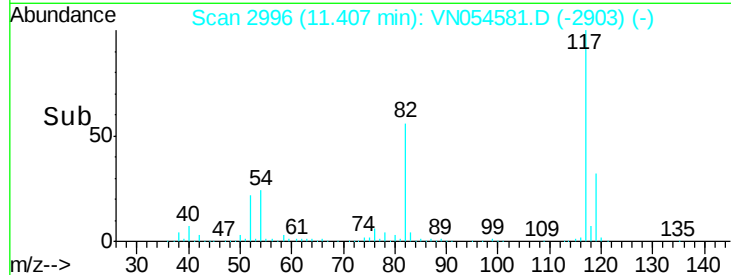
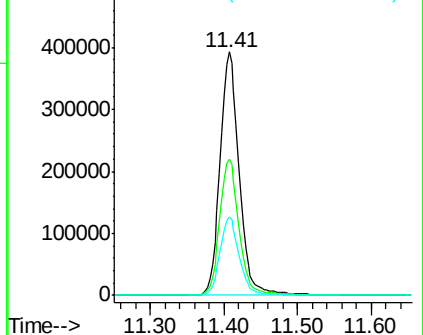
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054581.D
Acq: 23 Mar 2019 2:48

Instrument :
MSVOA_N
ClientSampleId :
WP022SB438-190318-(19-21)

Tot Ion:117 Resp: 710034
Ion Ratio Lower Upper
117 100
82 56.1 40.0 60.0
119 32.2 25.8 38.6

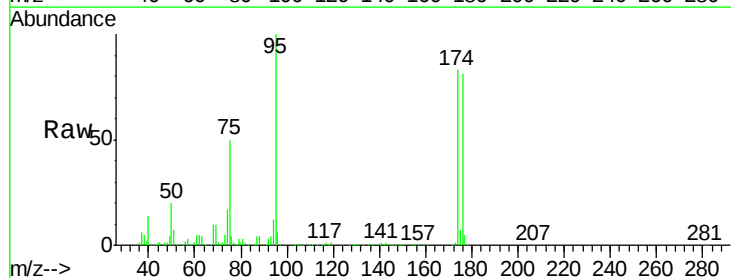


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

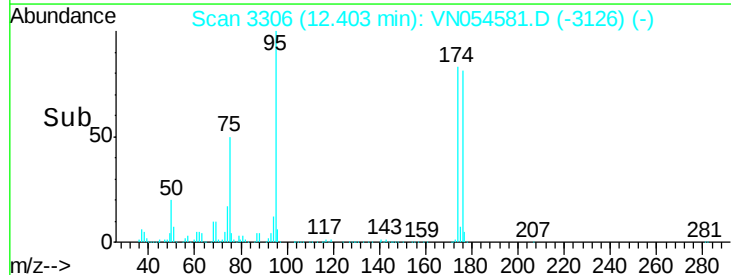
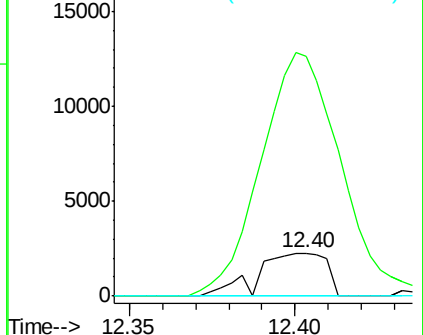


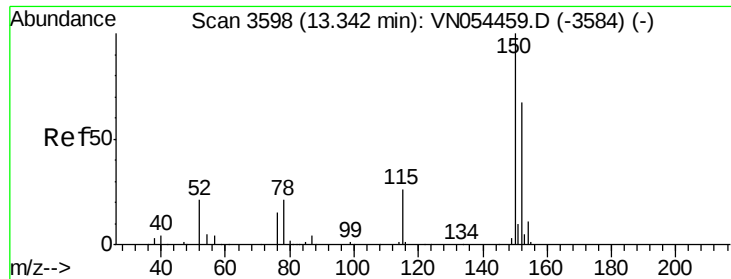
#71
Bromoform
Concen: 3.095 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054581.D
Acq: 23 Mar 2019 2:48

Tgt Ion:173 Resp: 3270
Ion Ratio Lower Upper
173 100
175 567.2 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: VN054581.D

Acq: 23 Mar 2019 2:48

Instrument :

MSVOA_N

ClientSampleId :

WP022SB438-190318-(19-21)

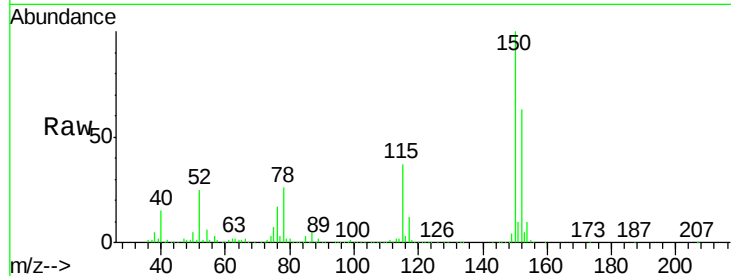
Tot Ion:152 Resp: 290580

Ion Ratio Lower Upper

152 100

115 57.9 27.2 81.6

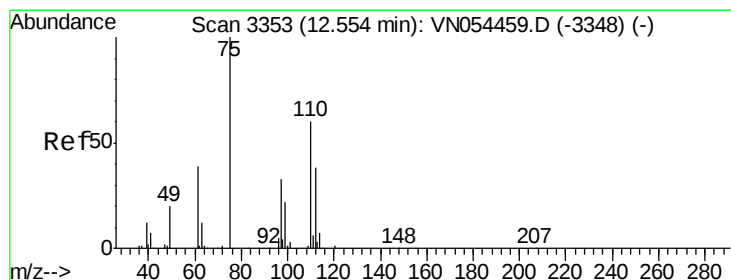
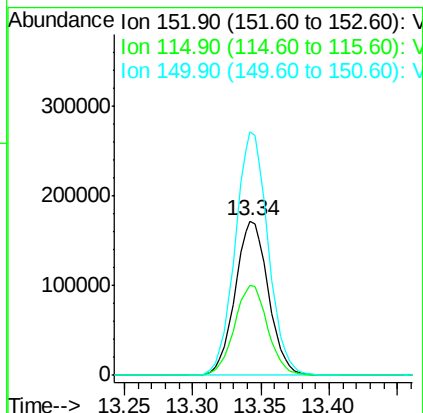
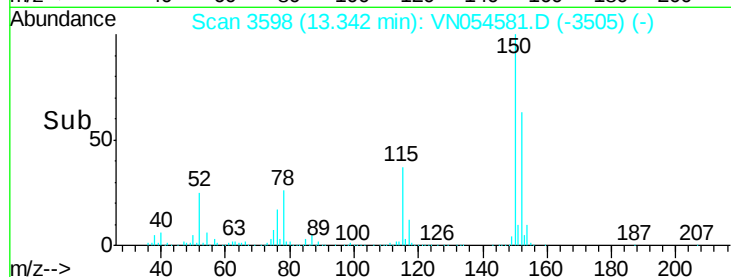
150 156.3 0.0 349.2



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: 36.097 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054581.D

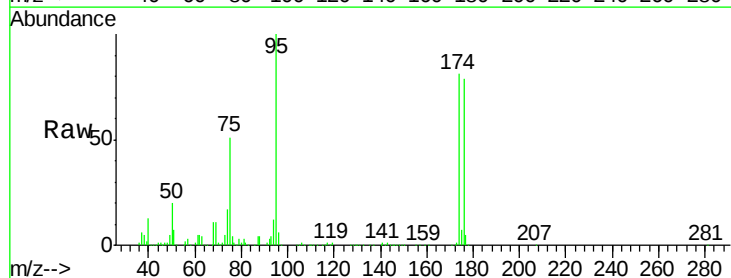
Acq: 23 Mar 2019 2:48

Tgt Ion: 75 Resp: 166447

Ion Ratio Lower Upper

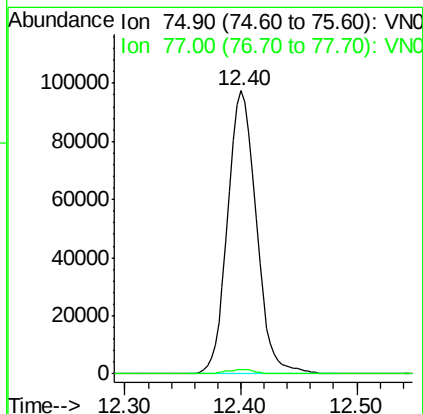
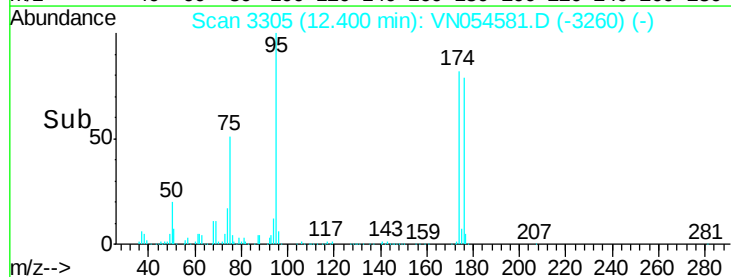
75 100

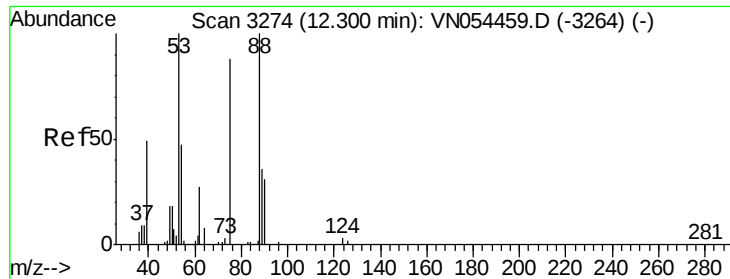
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

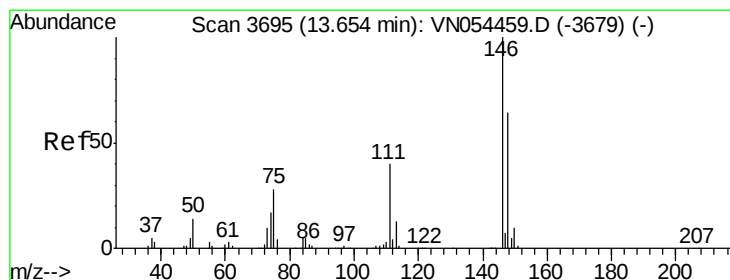
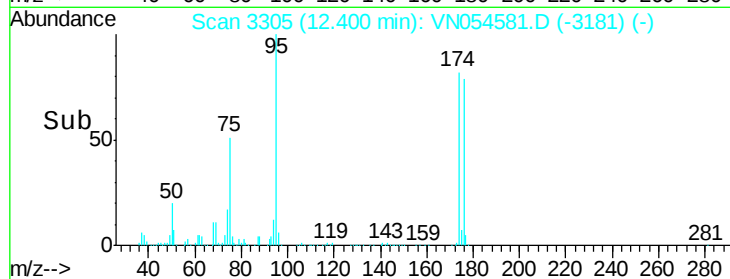
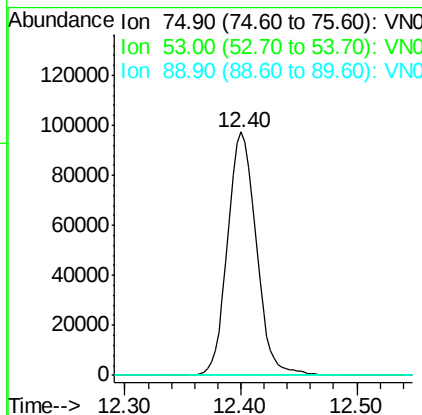
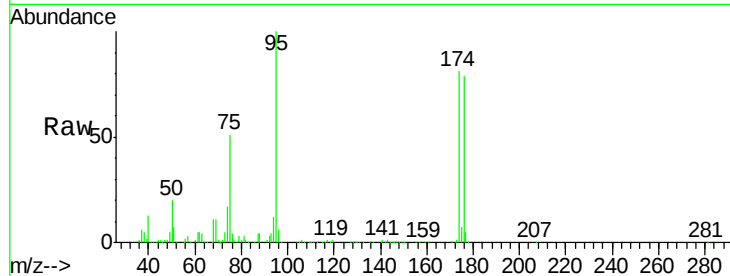




#81
trans-1,4-Dichloro-2-butene
Concen: 119.718 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054581.D
Acq: 23 Mar 2019 2:48

Instrument :
MSVOA_N
ClientSampleId :
WP022SB438-190318-(19-21)

Tot Ion: 75 Resp: 166447
Ion Ratio Lower Upper
75 100
53 0.1 76.2 114.2#
89 0.0 39.2 58.8#



#91
1,2-Dichlorobenzene
Concen: 0.438 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN054581.D
Acq: 23 Mar 2019 2:48

Tgt Ion: 146 Resp: 4080
Ion Ratio Lower Upper
146 100
111 50.6 19.1 57.3
148 63.1 32.4 97.0

