

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054580.D
 Acq On : 23 Mar 2019 2:20
 Operator : JC/SP
 Sample : K2045-06
 Misc : 2.60g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB439-190318-(25-27)

Quant Time: Mar 23 04:59:46 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	551139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	847155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	713993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	291637	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	344766	50.29	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.59	113	253457	46.44	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.09	98	1021287	49.78	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.40	95	324500	46.48	ug/l	0.00
Spiked Amount						

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	734	0.356	ug/l #	38
18) Methyl Acetate	4.33	43	1748	0.381	ug/l #	84
20) Methylene Chloride	4.53	84	1822	0.300	ug/l	93
29) Tetrahydrofuran	7.23	42	631	0.368	ug/l #	30
31) Cyclohexane	7.66	56	11470	Below Cal	#	21
36) 1,1-Dichloropropene	7.66	75	40786	5.149	ug/l #	47
38) Carbon Tetrachloride	7.66	117	49810	6.471	ug/l #	16
53) t-1,3-Dichloropropene	10.24	75	374	2.277	ug/l #	42
71) Bromoform	12.41	173	587	2.377	ug/l #	1
74) N-amyl acetate	12.04	43	5612	0.831	ug/l #	66
76) 1,2,3-Trichloropropane	12.40	75	169340	36.592	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	169340	121.314	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VN054580.D

Acq: 23 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampleId :

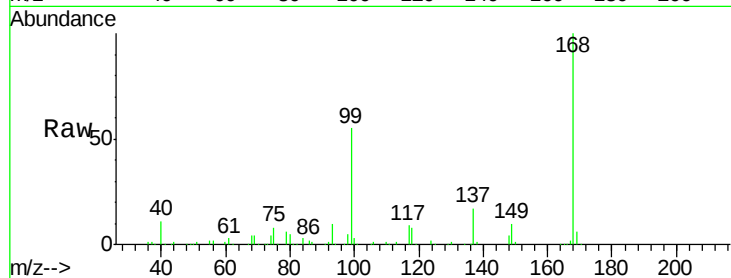
WP022SB439-190318-(25-27)

Tot Ion:168 Resp: 551139

Ion Ratio Lower Upper

168 100

99 54.7 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

250000

200000

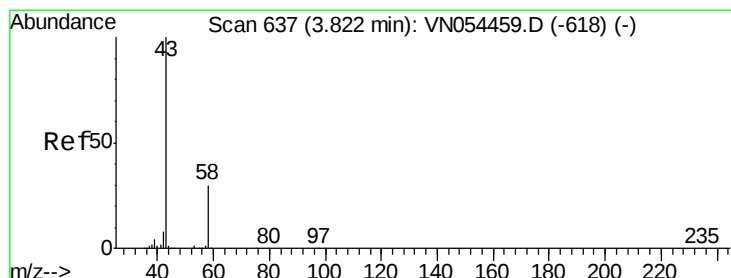
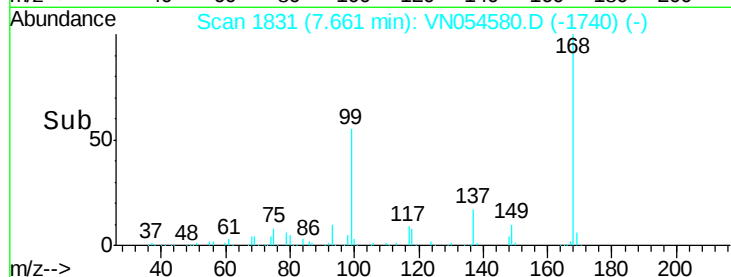
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 0.356 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN054580.D

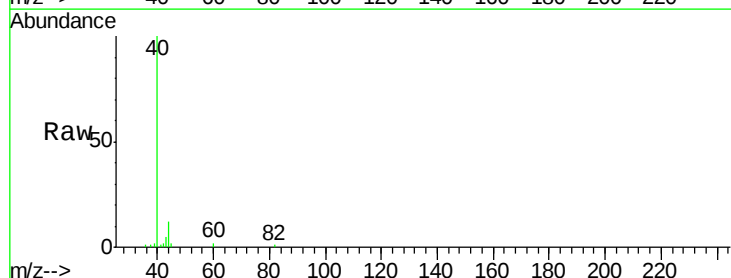
Acq: 23 Mar 2019 2:20

Tgt Ion: 43 Resp: 734

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.81

1200

1000

800

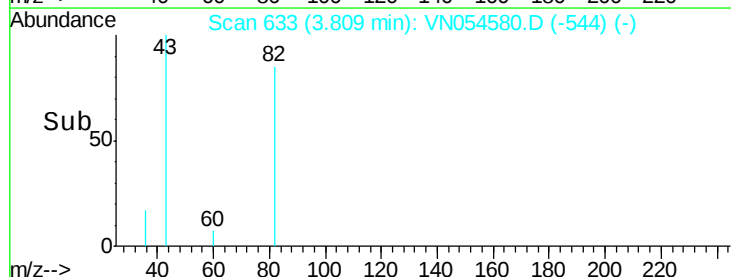
600

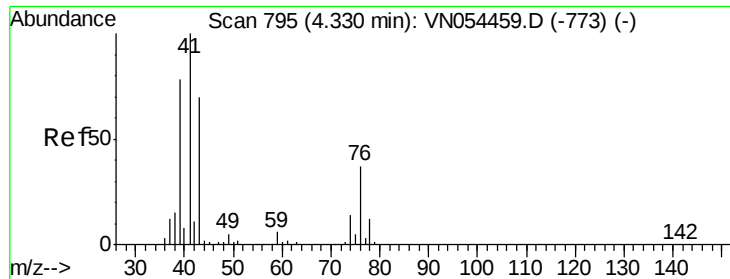
400

200

0

Time-->

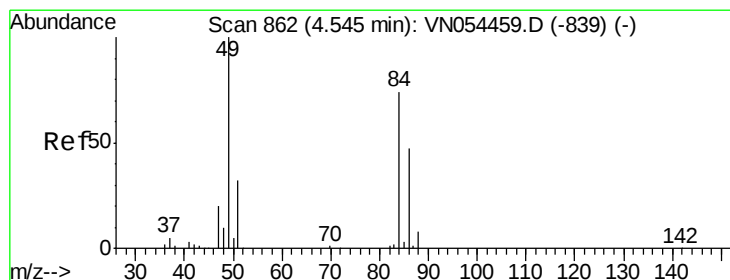
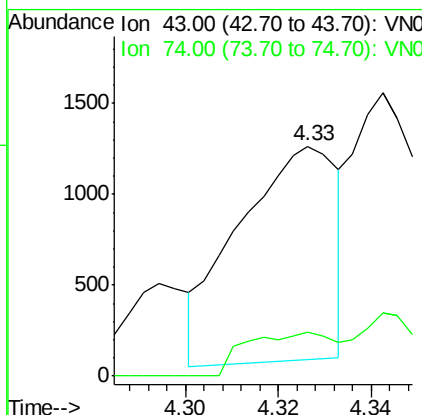
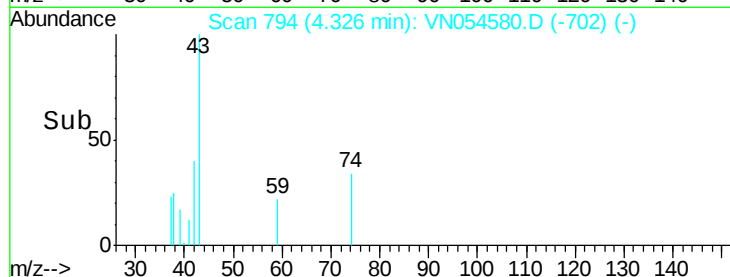
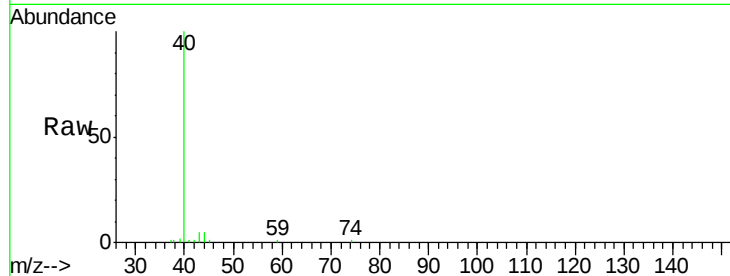




#18
Methyl Acetate
Concen: 0.381 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054580.D
Acq: 23 Mar 2019 2:20

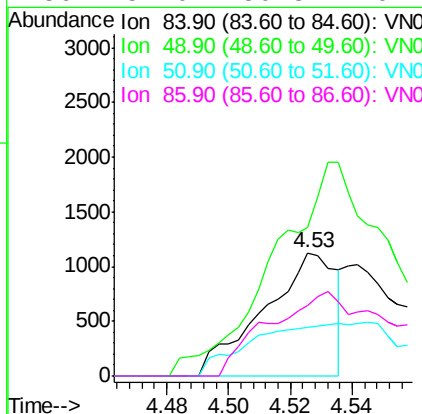
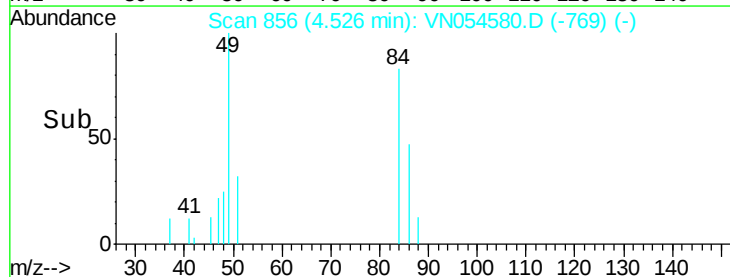
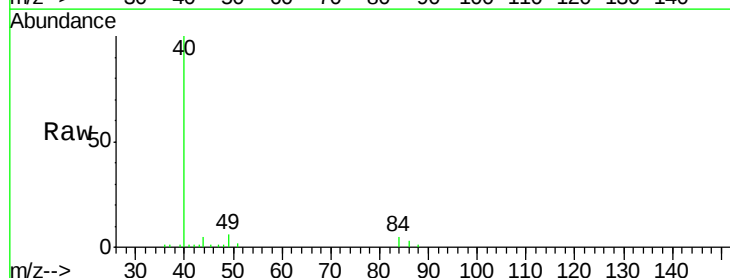
Instrument :
MSVOA_N
ClientSampleId :
WP022SB439-190318-(25-27)

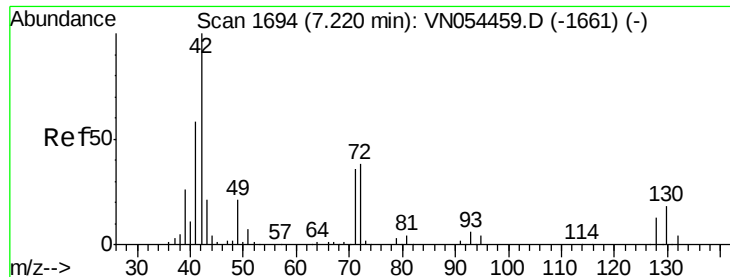
Tot Ion: 43 Resp: 1748
Ion Ratio Lower Upper
43 100
74 18.0 20.8 31.2#



#20
Methylene Chloride
Concen: 0.300 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.02 min
Lab File: VN054580.D
Acq: 23 Mar 2019 2:20

Tgt Ion: 84 Resp: 1822
Ion Ratio Lower Upper
84 100
49 105.1 89.7 134.5
51 39.2 28.2 42.4
86 57.0 50.8 76.2





#29

Tetrahydrofuran

Concen: 0.368 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VN054580.D

Acq: 23 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampleId :

WP022SB439-190318-(25-27)

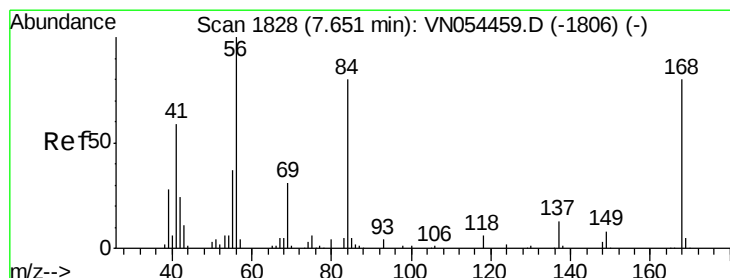
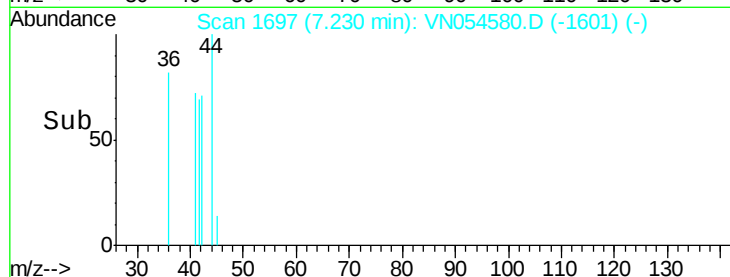
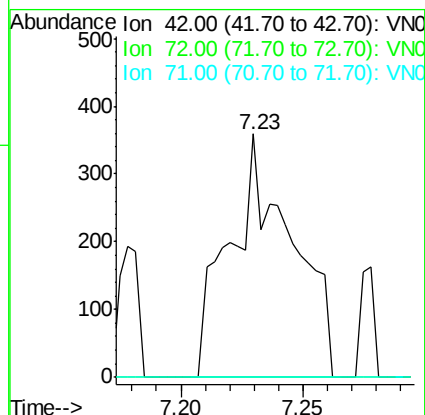
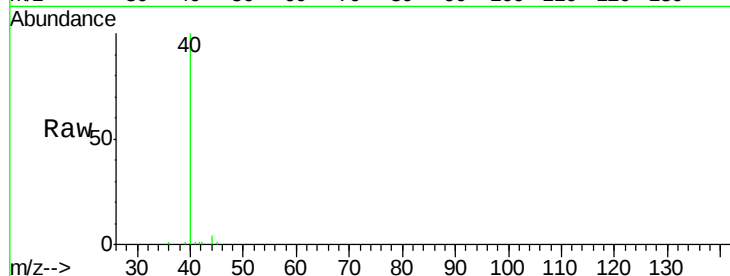
Tot Ion: 42 Resp: 631

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

71 0.0 36.2 54.2#



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054580.D

Acq: 23 Mar 2019 2:20

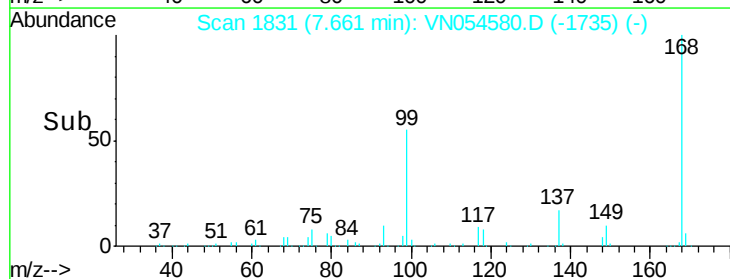
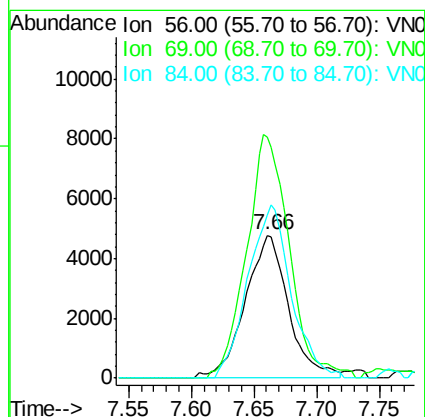
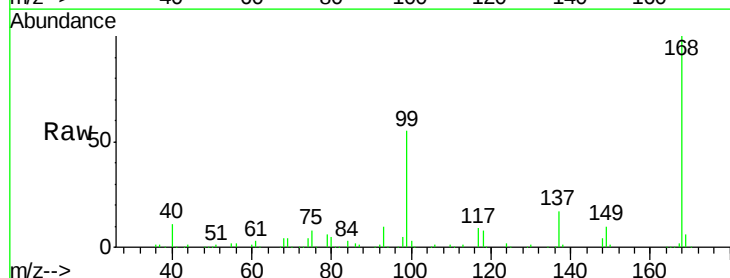
Tgt Ion: 56 Resp: 11470

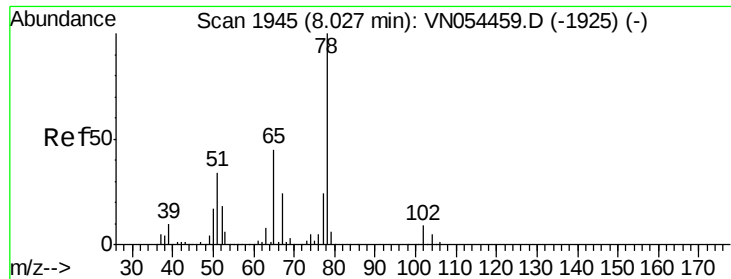
Ion Ratio Lower Upper

56 100

69 168.9 27.8 41.6#

84 113.7 74.6 111.8#

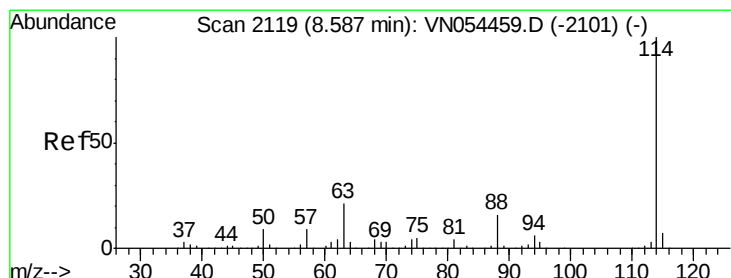
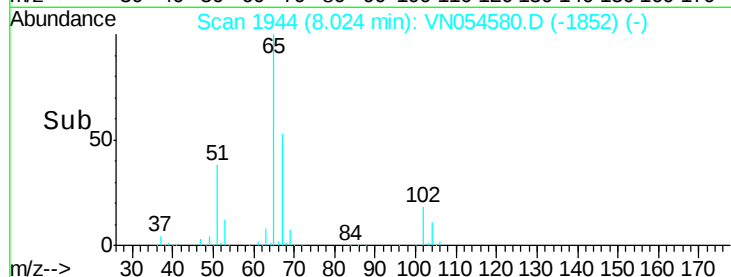
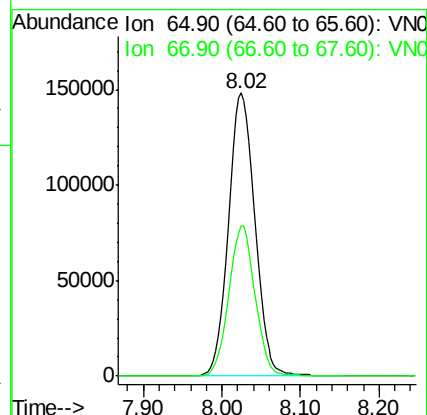
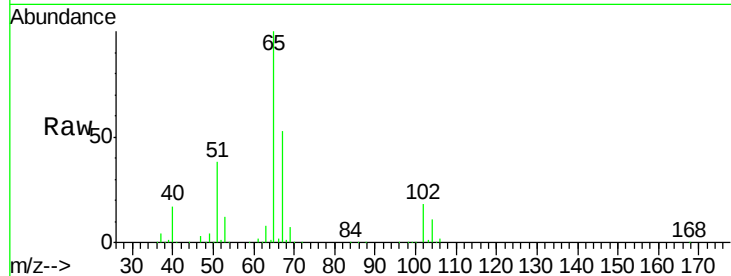




#33
 1,2-Dichloroethane-d4
 Concen: 50.292 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054580.D
 Acq: 23 Mar 2019 2:20

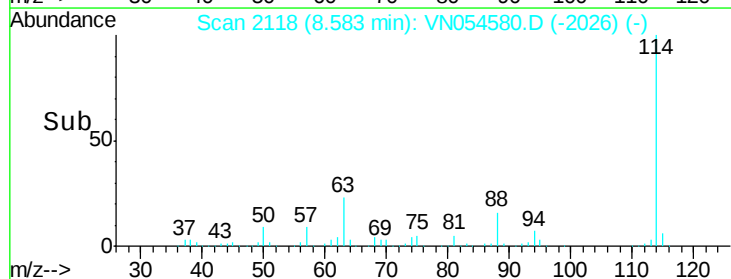
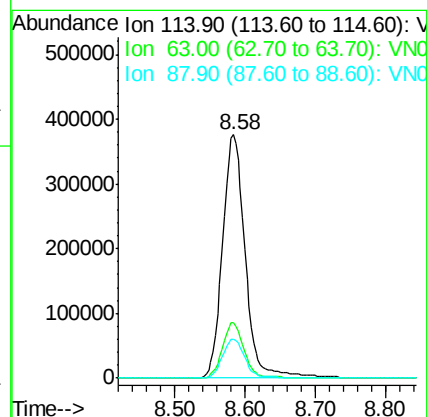
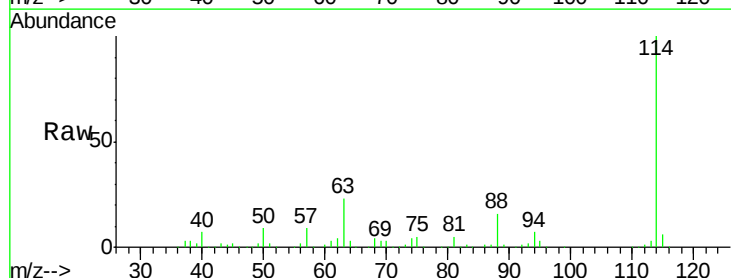
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB439-190318-(25-27)

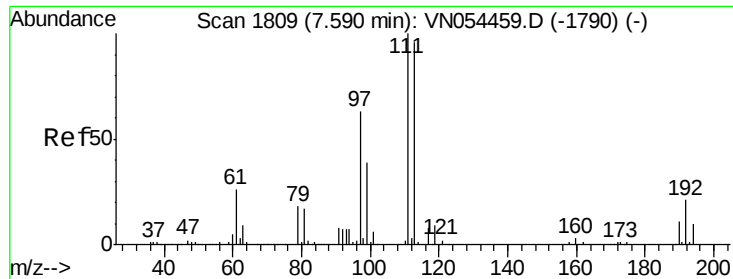
Tot Ion: 65 Resp: 344766
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054580.D
 Acq: 23 Mar 2019 2:20

Tgt Ion: 114 Resp: 847155
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 35.2
 88 16.0 0.0 30.2

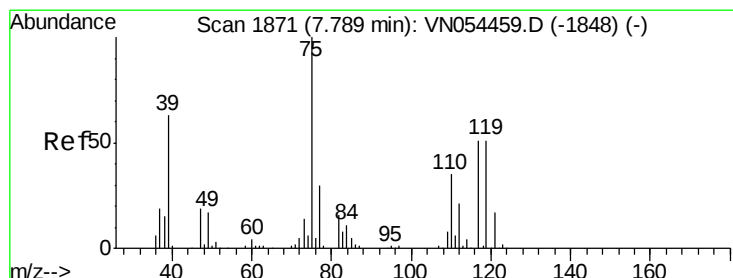
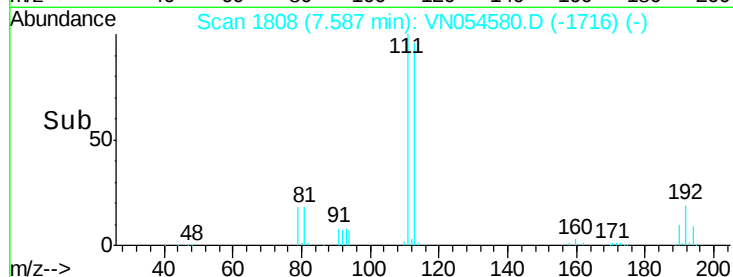
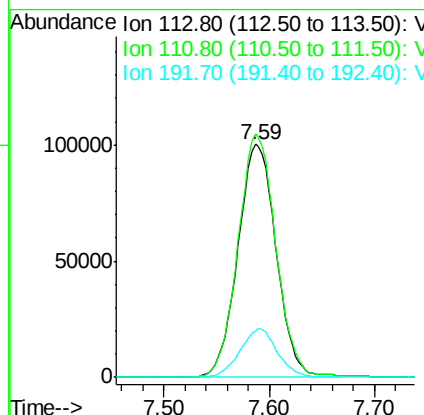
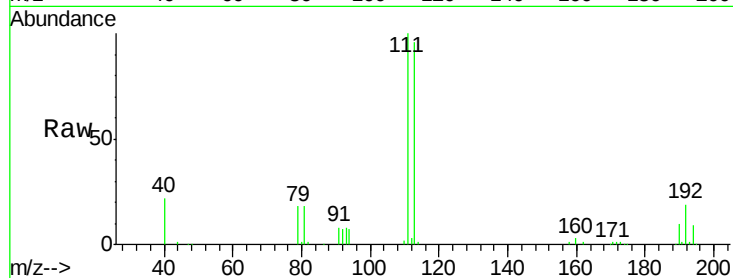




#35
 Dibromofluoromethane
 Concen: 46.440 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN054580.D
 Acq: 23 Mar 2019 2:20

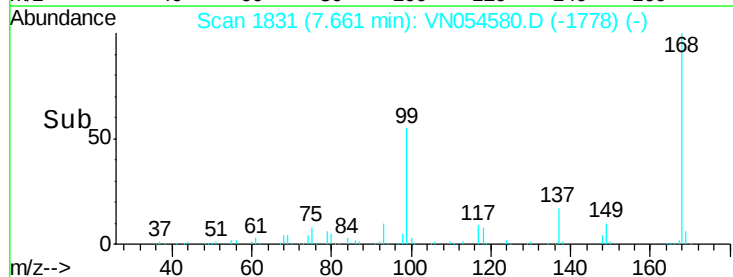
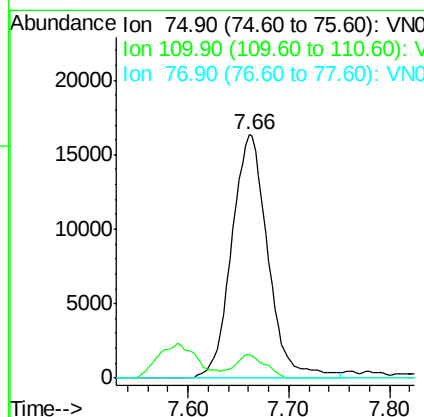
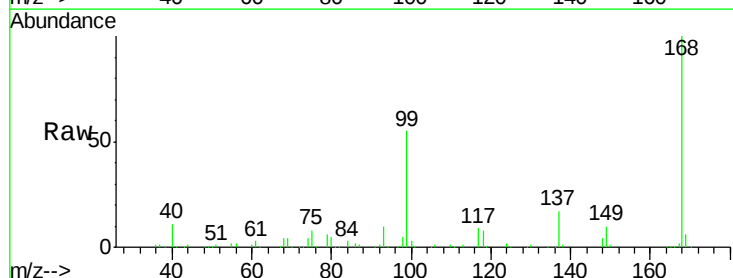
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB439-190318-(25-27)

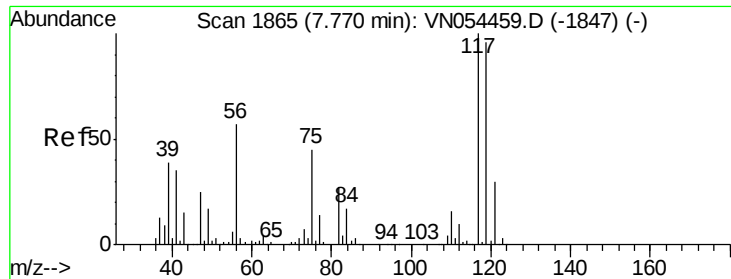
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	20.3	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 5.149 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN054580.D
 Acq: 23 Mar 2019 2:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.471 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN054580.D

Acq: 23 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampleId :

WP022SB439-190318-(25-27)

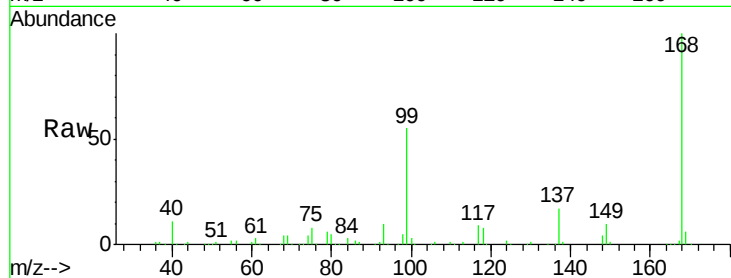
Tot Ion:117 Resp: 49810

Ion Ratio Lower Upper

117 100

119 5.2 76.3 114.5#

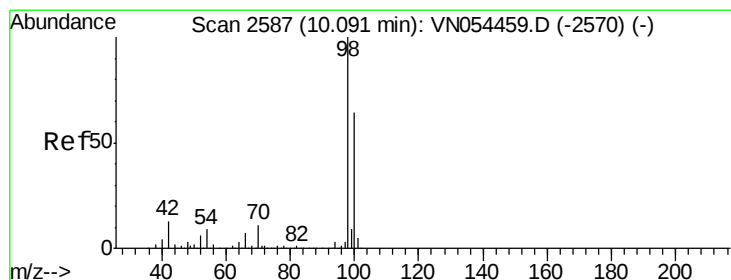
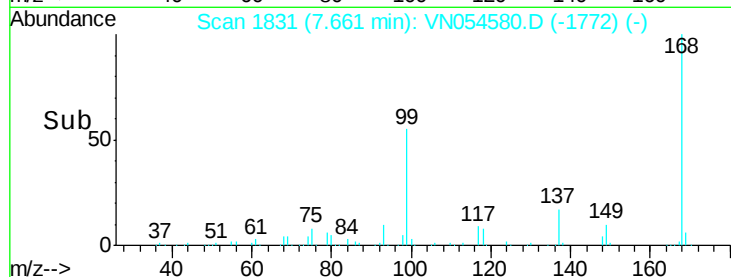
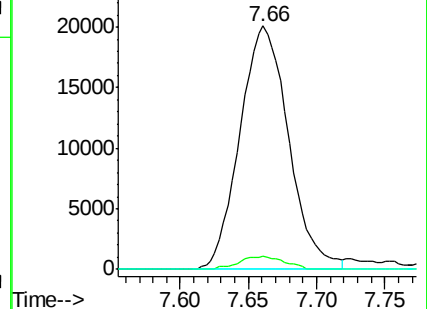
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 49.775 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054580.D

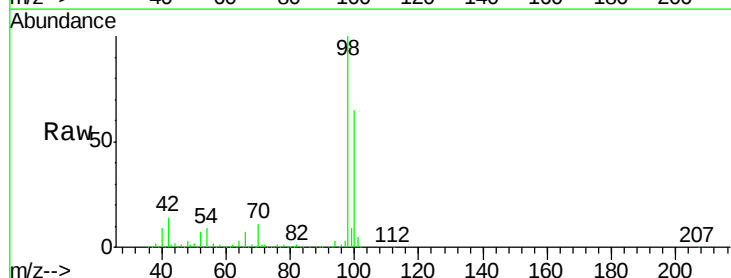
Acq: 23 Mar 2019 2:20

Tgt Ion: 98 Resp: 1021287

Ion Ratio Lower Upper

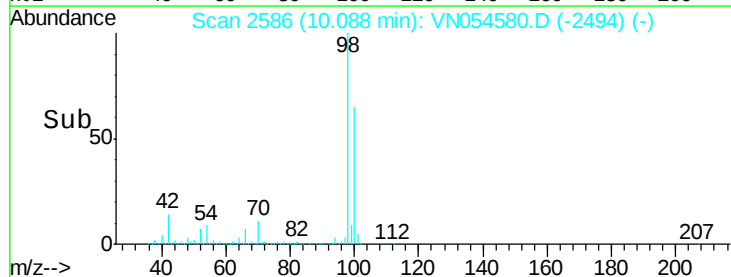
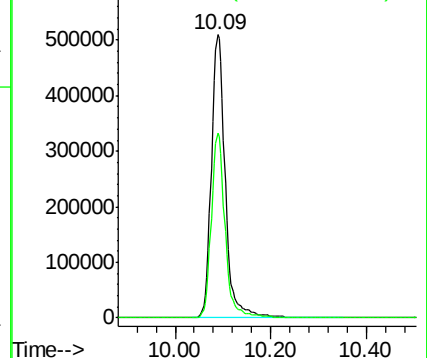
98 100

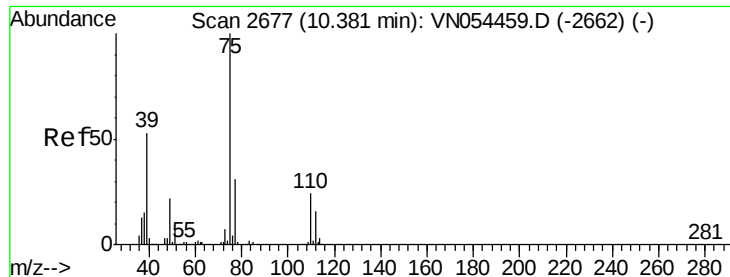
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#53

t-1,3-Dichloropropene

Concen: 2.277 ug/l

RT: 10.24 min Scan# 2633

Delta R.T. -0.14 min

Lab File: VN054580.D

Acq: 23 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampleId :

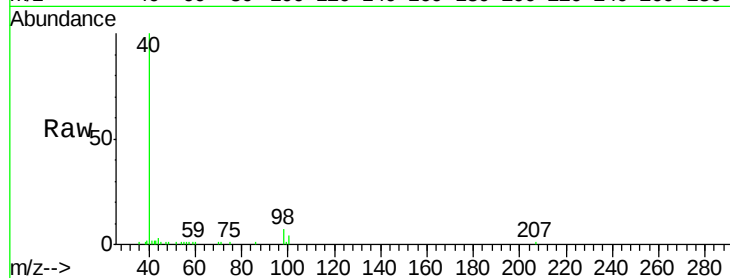
WP022SB439-190318-(25-27)

Tot Ion: 75 Resp: 374

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

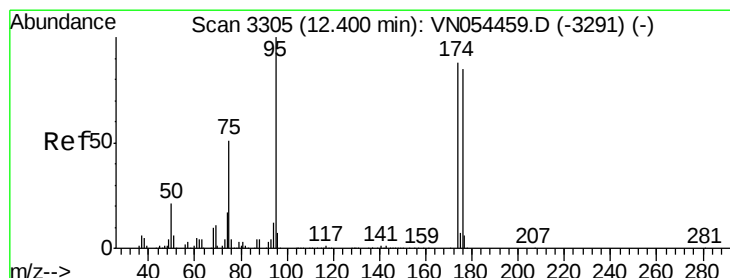
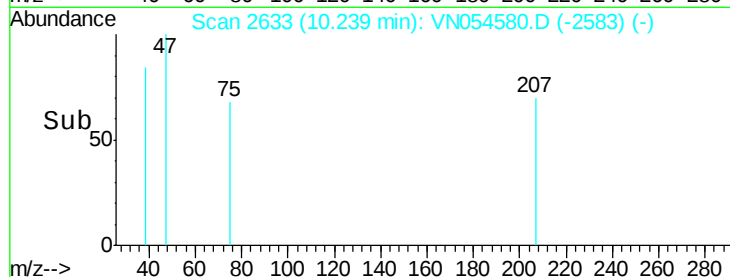
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.477 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054580.D

Acq: 23 Mar 2019 2:20

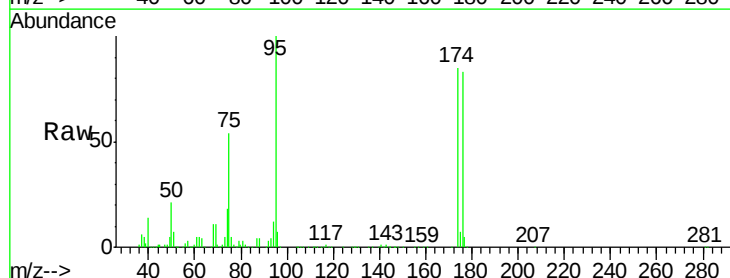
Tgt Ion: 95 Resp: 324500

Ion Ratio Lower Upper

95 100

174 83.6 0.0 191.0

176 81.5 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

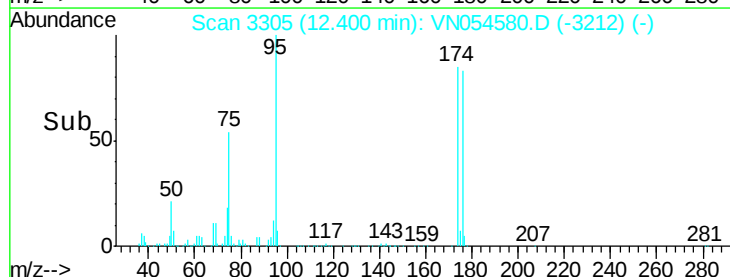
150000

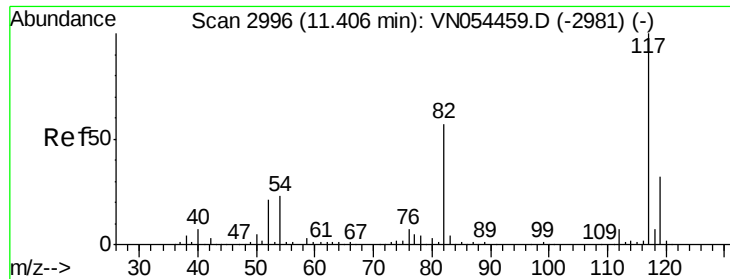
100000

50000

0

Time-->

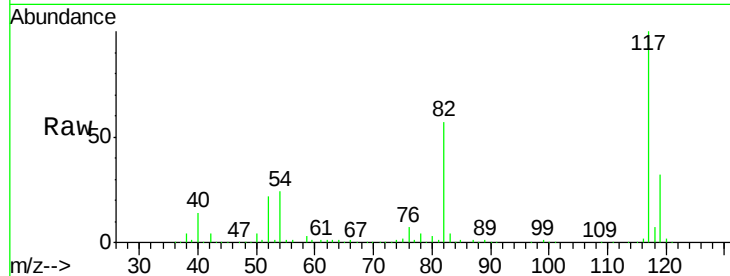




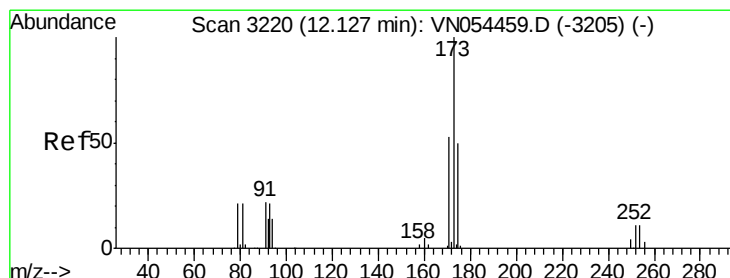
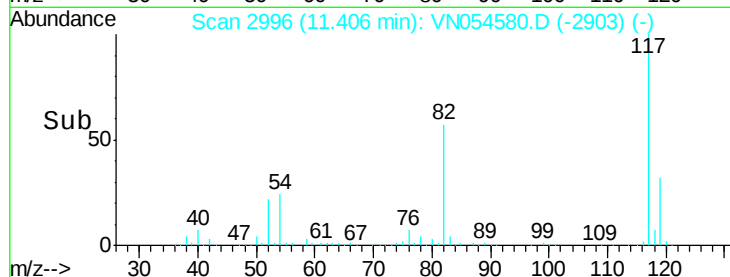
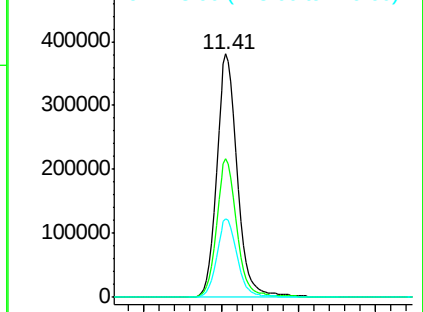
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054580.D
Acq: 23 Mar 2019 2:20

Instrument :
MSVOA_N
ClientSampleId :
WP022SB439-190318-(25-27)

Tot Ion:117 Resp: 713993
Ion Ratio Lower Upper
117 100
82 56.7 40.0 60.0
119 32.5 25.8 38.6

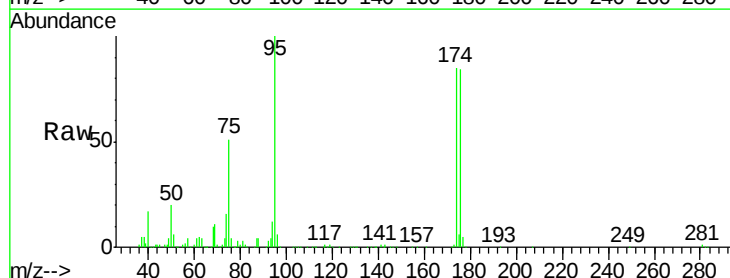


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

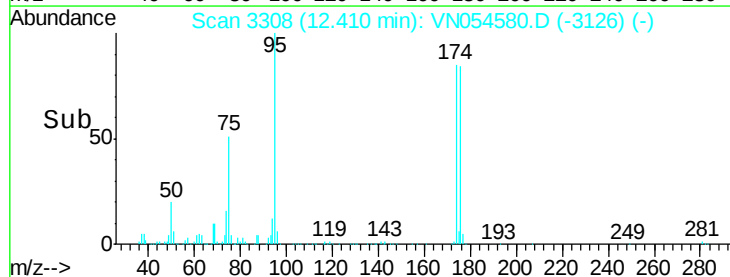
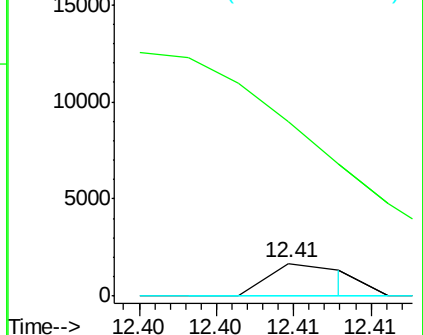


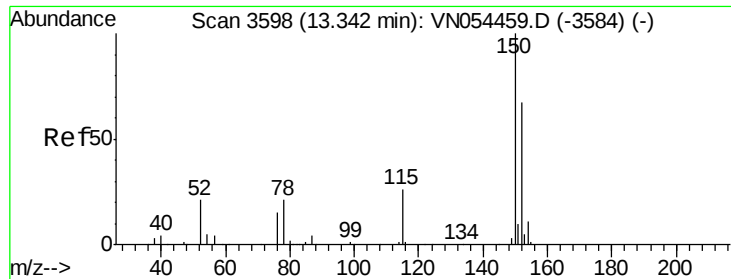
#71
Bromoform
Concen: 2.377 ug/l
RT: 12.41 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN054580.D
Acq: 23 Mar 2019 2:20

Tgt Ion:173 Resp: 587
Ion Ratio Lower Upper
173 100
175 3128.4 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: VN054580.D

Acq: 23 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampleId :

WP022SB439-190318-(25-27)

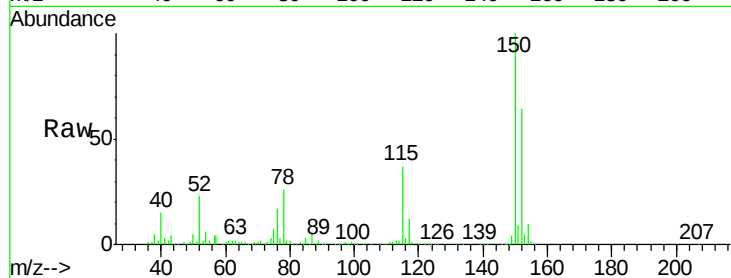
Tot Ion:152 Resp: 291637

Ion Ratio Lower Upper

152 100

115 57.1 27.2 81.6

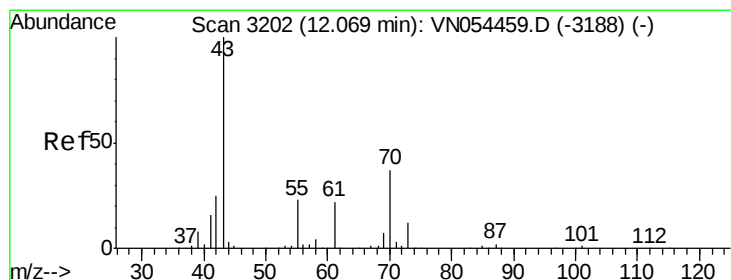
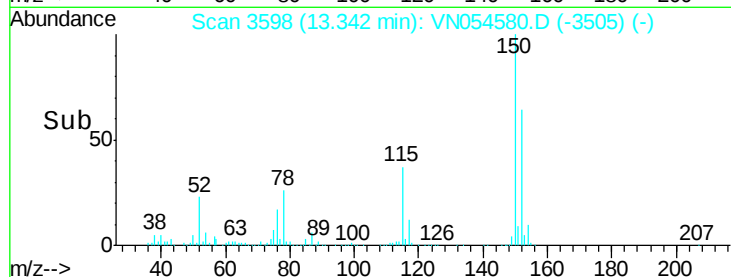
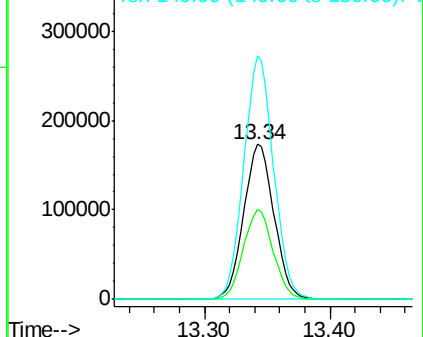
150 154.5 0.0 349.2



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: 0.831 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054580.D

Acq: 23 Mar 2019 2:20

Tgt Ion: 43 Resp: 5612

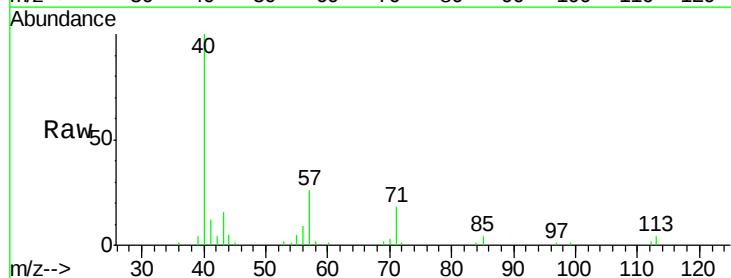
Ion Ratio Lower Upper

43 100

70 23.6 35.4 53.0#

55 36.5 19.8 29.6#

61 0.0 19.8 29.6#

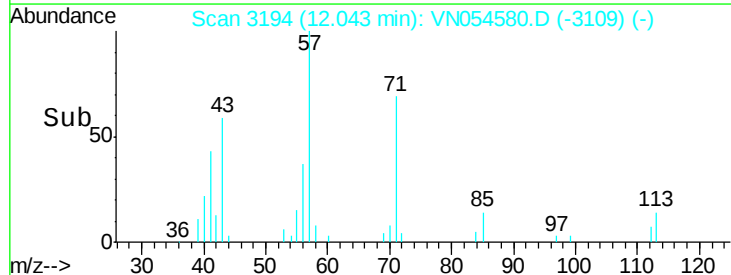
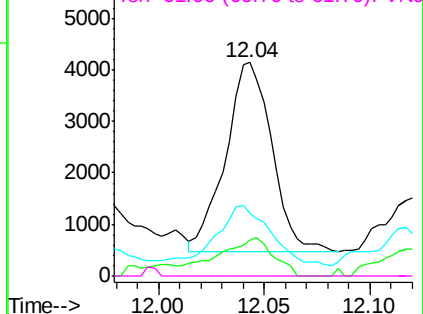


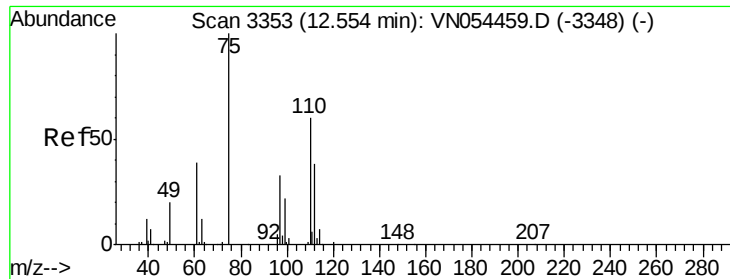
Abundance Ion 43.00 (42.70 to 43.70): V

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: 36.592 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054580.D

Acq: 23 Mar 2019 2:20

Instrument :

MSVOA_N

ClientSampleId :

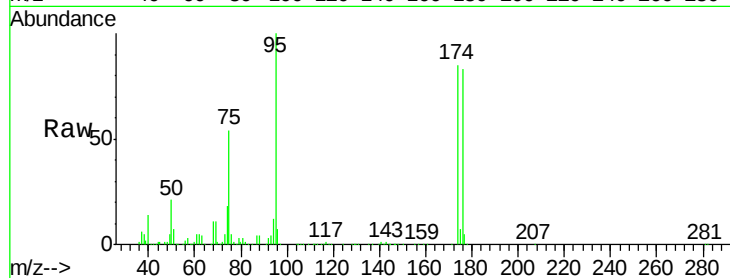
WP022SB439-190318-(25-27)

Tot Ion: 75 Resp: 169340

Ion Ratio Lower Upper

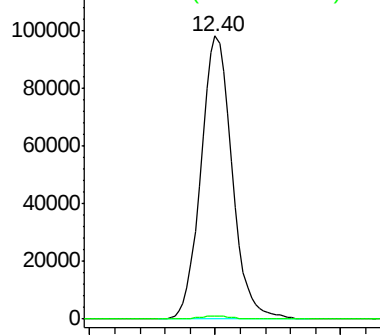
75 100

77 1.1 0.0 0.0#

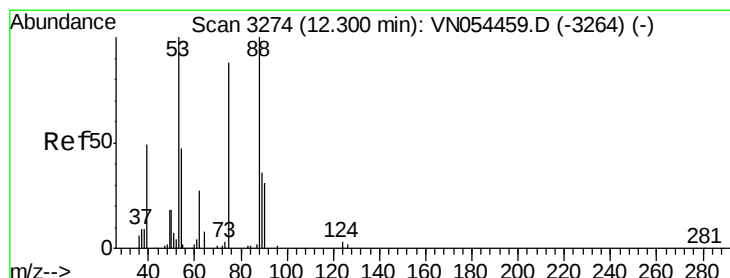
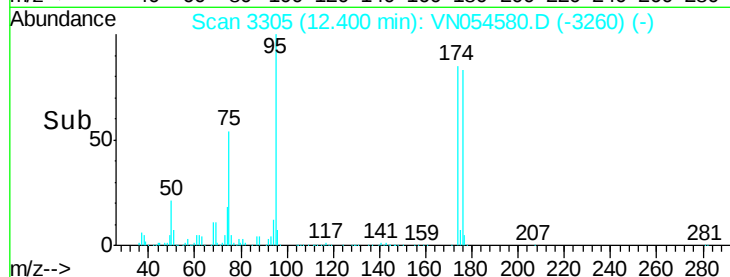


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 121.314 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054580.D

Acq: 23 Mar 2019 2:20

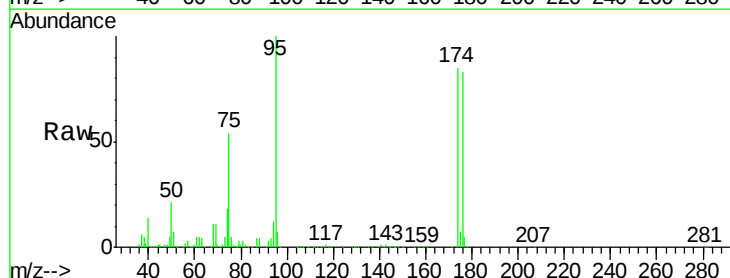
Tgt Ion: 75 Resp: 169340

Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

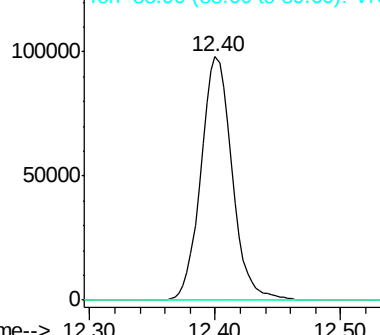
89 0.0 39.2 58.8#



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



Time--> 12.30 12.40 12.50

