

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054575.D
 Acq On : 23 Mar 2019 00:02
 Operator : JC/SP
 Sample : K2045-01
 Misc : 5.65µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB439-190318-(13-14)

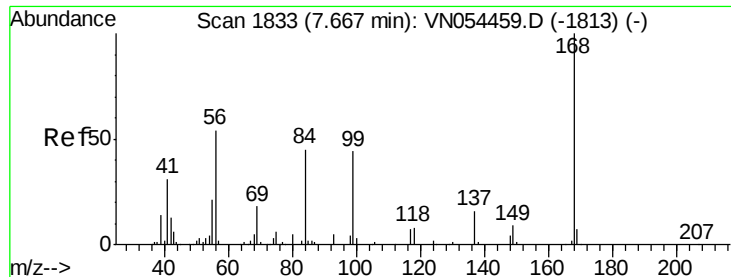
Quant Time: Mar 23 02:38:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	528862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	839822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	709863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	286294	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	342079	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
35) Dibromofluoromethane	7.59	113	254650	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
50) Toluene-d8	10.09	98	1009654	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	319141	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	1246	3.129	ug/l #	70
13) Acrolein	3.60	56	531	0.966	ug/l	91
15) Acrylonitrile	5.00	53	552	0.278	ug/l #	61
16) Acetone	3.82	43	605	0.306	ug/l #	64
17) Carbon Disulfide	4.03	76	3879	0.284	ug/l #	74
18) Methyl Acetate	4.34	43	6758	1.533	ug/l #	76
20) Methylene Chloride	4.53	84	2149	0.369	ug/l	89
29) Tetrahydrofuran	7.22	42	384	0.234	ug/l #	30
31) Cyclohexane	7.66	56	11744	Below Cal	#	17
36) 1,1-Dichloropropene	7.66	75	40671	5.179	ug/l #	48
38) Carbon Tetrachloride	7.66	117	50309	6.593	ug/l #	15
49) 1,4-Dioxane	9.21	88	61	1.066	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	2491	0.477	ug/l #	74
53) t-1,3-Dichloropropene	10.38	75	201	2.256	ug/l #	72
59) 2-Hexanone	10.76	43	3545	1.038	ug/l	95
65) Chlorobenzene	11.44	112	8627	0.598	ug/l	97
71) Bromoform	12.39	173	783	2.430	ug/l #	1
74) N-amyl acetate	12.07	43	1781	0.268	ug/l #	86
76) 1,2,3-Trichloropropane	12.40	75	164806	36.277	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	164806	120.297	ug/l #	11
87) 1,3-Dichlorobenzene	13.28	146	7516	0.793	ug/l	93
88) 1,4-Dichlorobenzene	13.28	146	7516	0.815	ug/l	91
89) n-Butylbenzene	13.62	91	4566	0.318	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	23727	2.584	ug/l	94
93) 1,2,4-Trichlorobenzene	14.91	180	4929	1.077	ug/l	88
94) Hexachlorobutadiene	15.01	225	1004	Below Cal		82
95) Naphthalene	15.13	128	9417	0.922	ug/l #	28
96) 1,2,3-Trichlorobenzene	15.32	180	3857	0.846	ug/l	90

(#) = 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: VN054575.D

Acq: 23 Mar 2019 00:02

Instrument :

MSVOA_N

ClientSampleId :

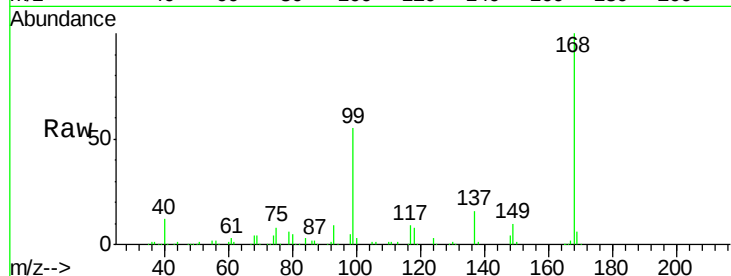
WP022SB439-190318-(13-14)

Tot Ion:168 Resp: 528862

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

250000

200000

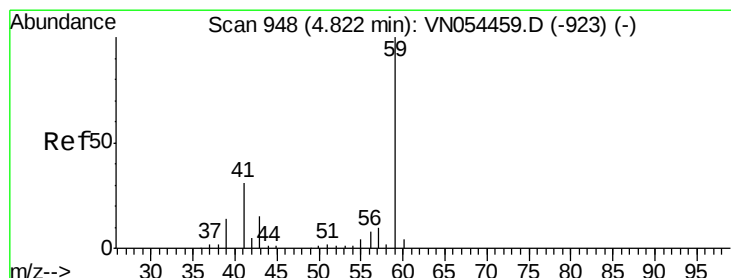
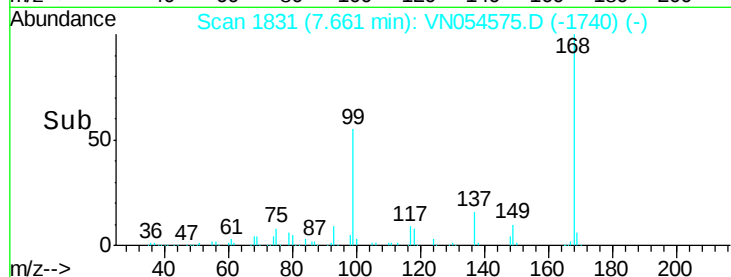
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.129 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.08 min

Lab File: VN054575.D

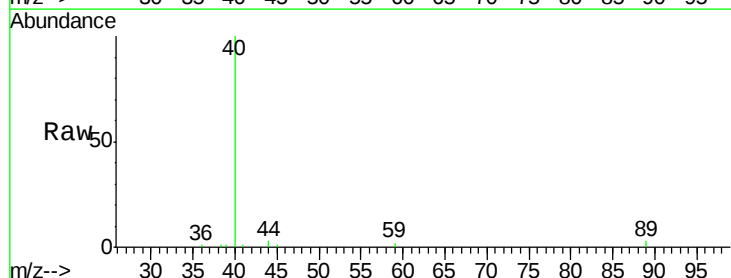
Acq: 23 Mar 2019 00:02

Tgt Ion: 59 Resp: 1246

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

4.74

600

500

400

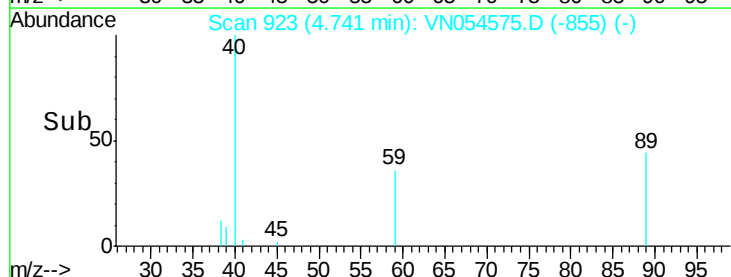
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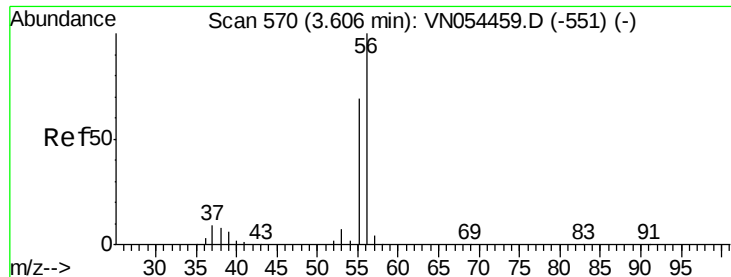
200

100

0

Time-->





#13

Acrolein

Concen: 0.966 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054575.D

Acq: 23 Mar 2019 00:02

Instrument :

MSVOA_N

ClientSampleId :

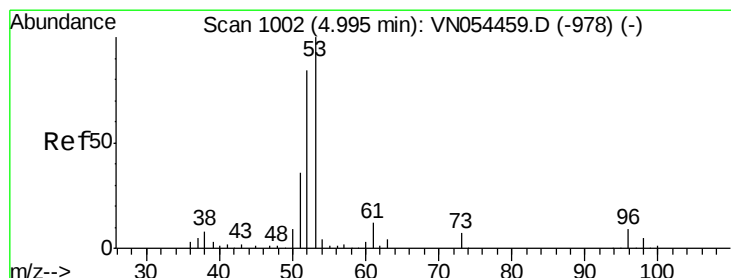
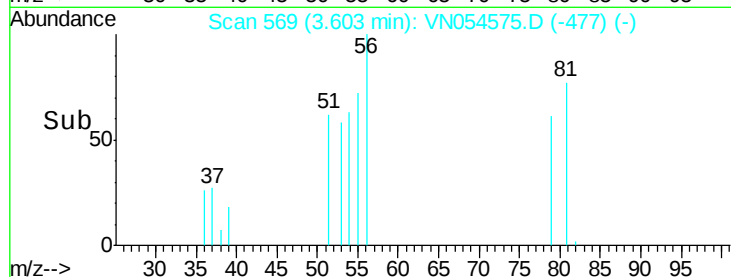
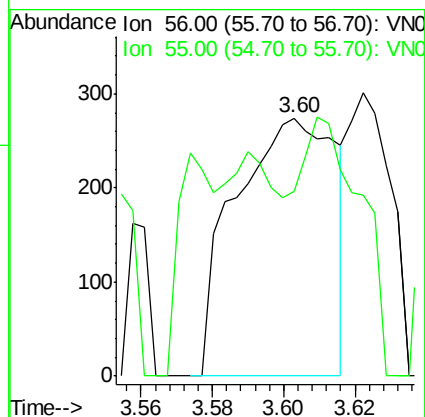
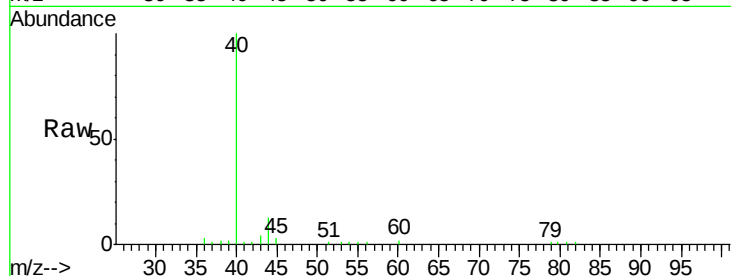
WP022SB439-190318-(13-14)

Tot Ion: 56 Resp: 531

Ion Ratio Lower Upper

56 100

55 63.8 56.7 85.1



#15

Acrylonitrile

Concen: 0.278 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VN054575.D

Acq: 23 Mar 2019 00:02

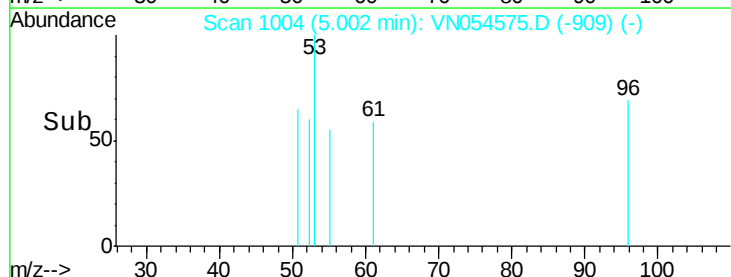
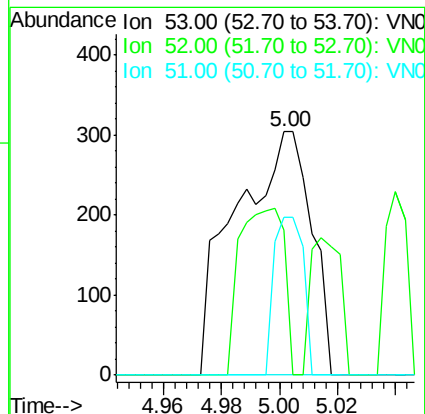
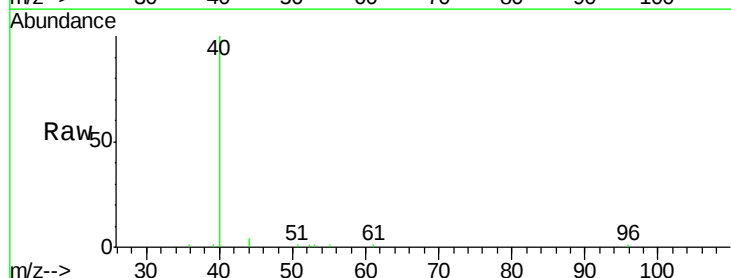
Tgt Ion: 53 Resp: 552

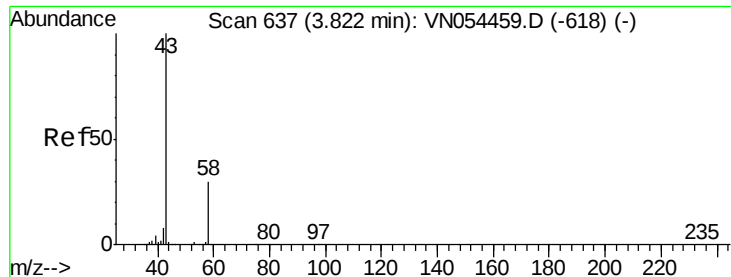
Ion Ratio Lower Upper

53 100

52 40.4 66.4 99.6#

51 25.2 29.6 44.4#





#16

Acetone

Concen: 0.306 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054575.D

Acq: 23 Mar 2019 00:02

Instrument :

MSVOA_N

ClientSampleId :

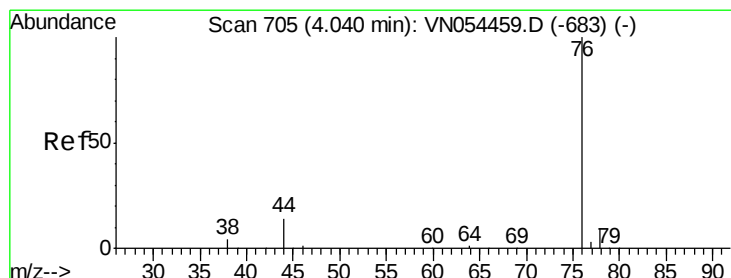
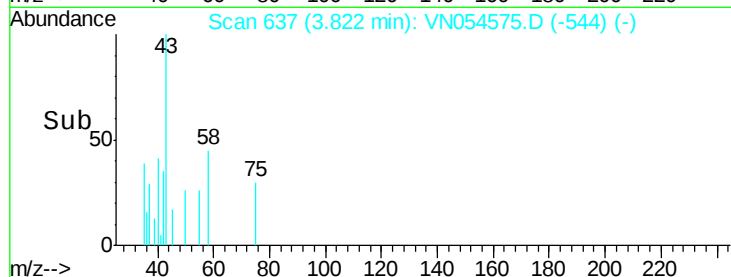
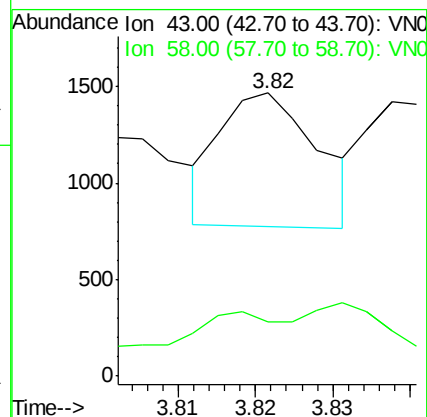
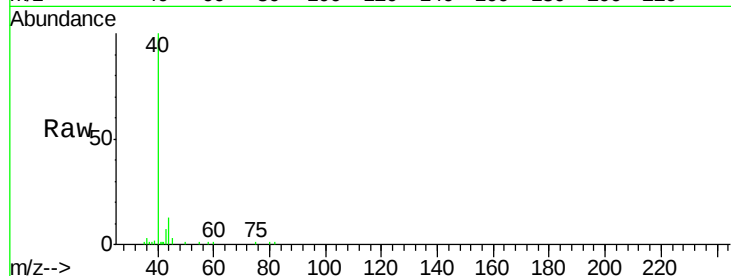
WP022SB439-190318-(13-14)

Tot Ion: 43 Resp: 605

Ion Ratio Lower Upper

43 100

58 16.0 29.9 44.9#



#17

Carbon Disulfide

Concen: 0.284 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.01 min

Lab File: VN054575.D

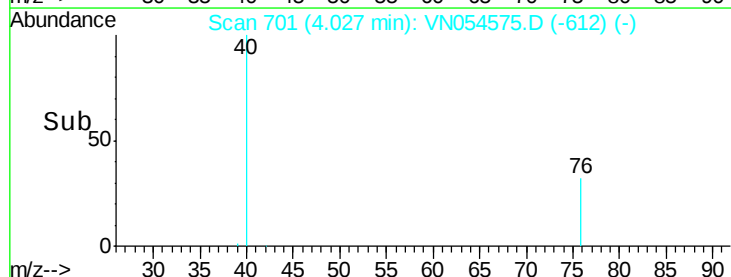
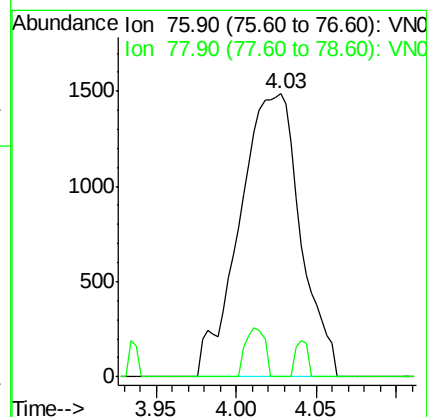
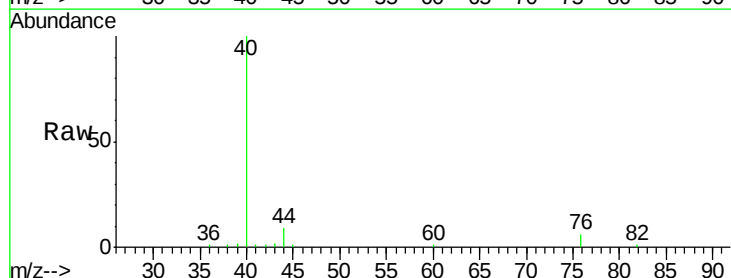
Acq: 23 Mar 2019 00:02

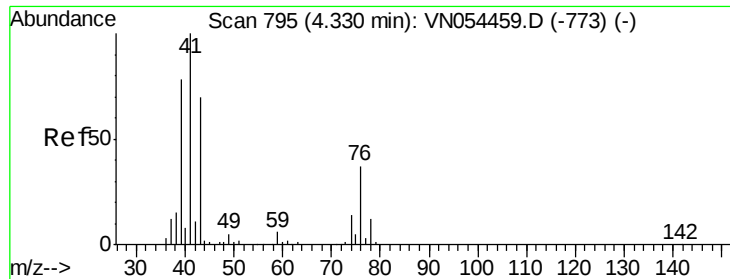
Tgt Ion: 76 Resp: 3879

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#

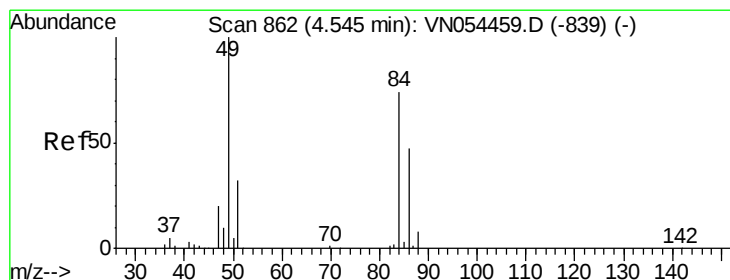
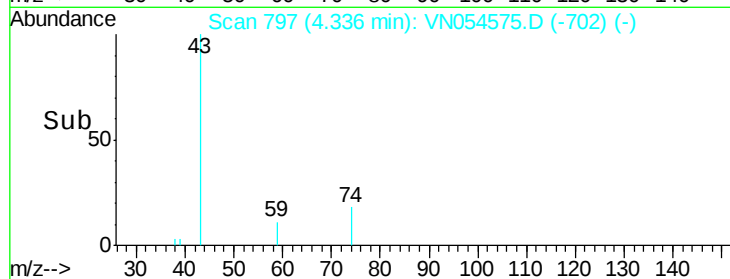
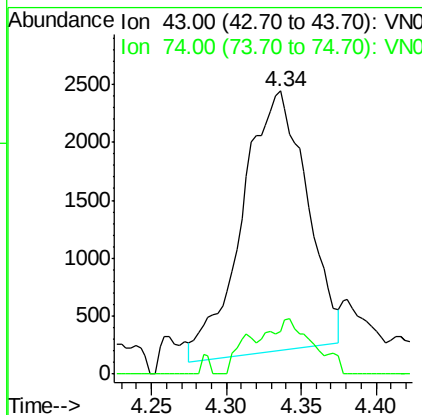
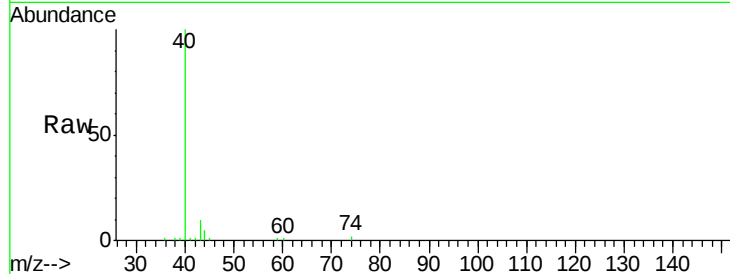




#18
Methvl Acetate
Concen: 1.533 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN054575.D
Acq: 23 Mar 2019 00:02

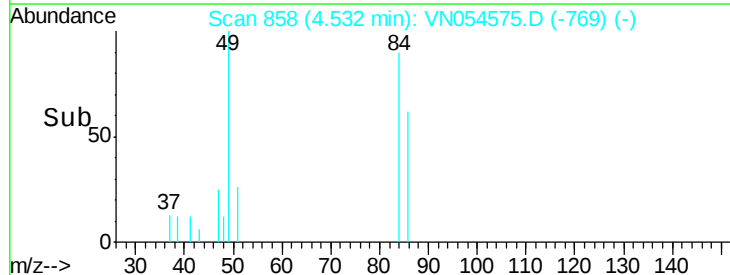
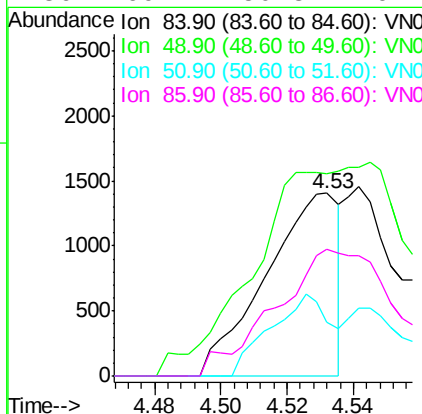
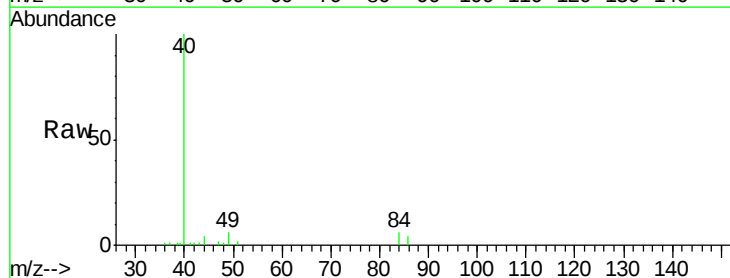
Instrument :
MSVOA_N
ClientSampleId :
WP022SB439-190318-(13-14)

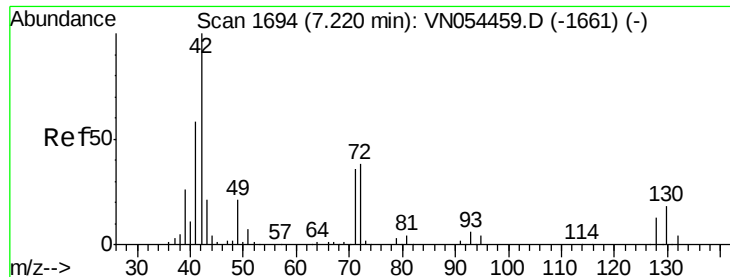
Tot Ion: 43 Resp: 6758
Ion Ratio Lower Upper
43 100
74 14.0 20.8 31.2#



#20
Methylene Chloride
Concen: 0.369 ug/l
RT: 4.53 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN054575.D
Acq: 23 Mar 2019 00:02

Tgt Ion: 84 Resp: 2149
Ion Ratio Lower Upper
84 100
49 98.9 89.7 134.5
51 29.2 28.2 42.4
86 69.2 50.8 76.2

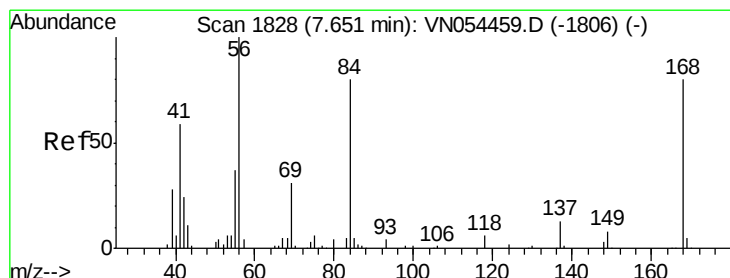
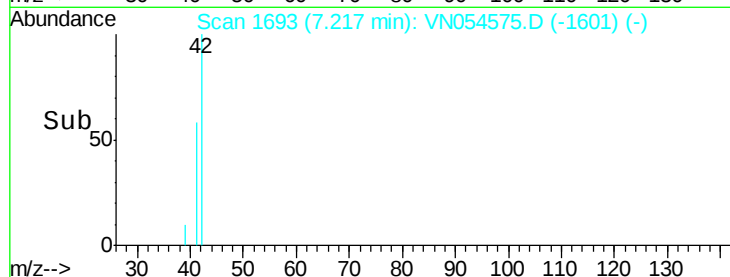
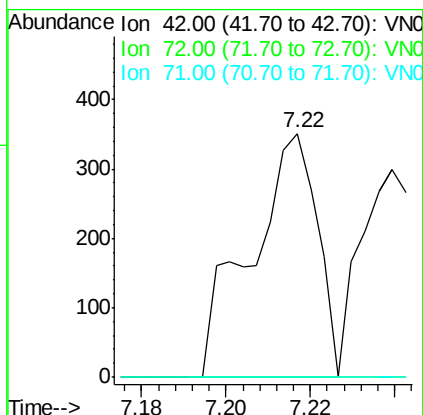
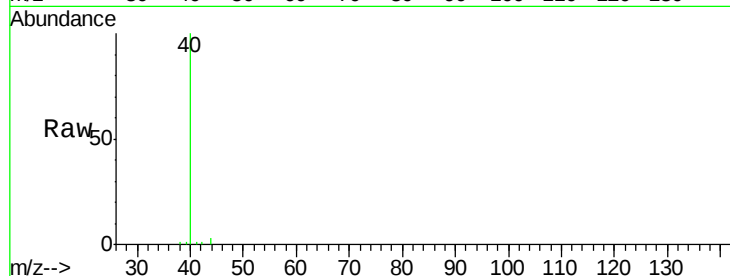




#29
Tetrahydrofuran
Concen: 0.234 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054575.D
Acq: 23 Mar 2019 00:02

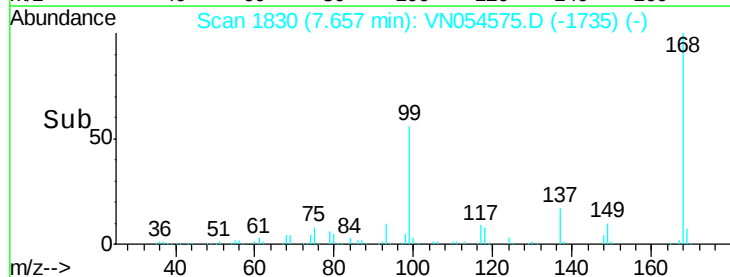
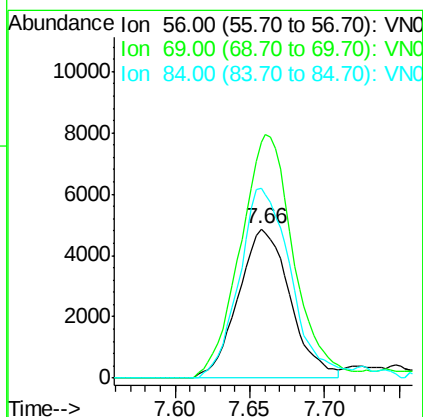
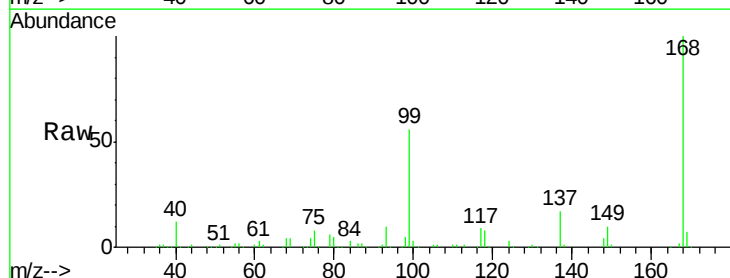
Instrument :
MSVOA_N
ClientSampleId :
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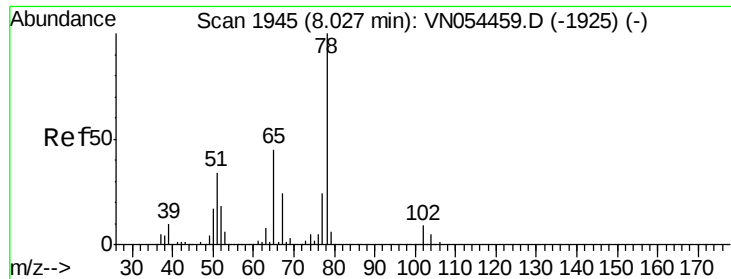
Tot Ion: 42 Resp: 384
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 0.0 36.2 54.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN054575.D
Acq: 23 Mar 2019 00:02

Tgt Ion: 56 Resp: 11744
Ion Ratio Lower Upper
56 100
69 157.7 27.8 41.6#
84 126.6 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 52.002 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054575.D

Acq: 23 Mar 2019 00:02

Instrument :

MSVOA_N

ClientSampleId :

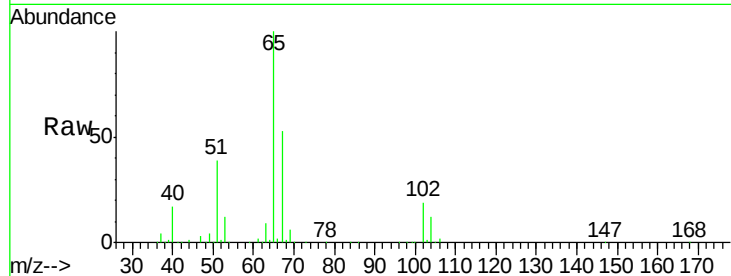
WP022SB439-190318-(13-14)

Tot Ion: 65 Resp: 342079

Ion Ratio Lower Upper

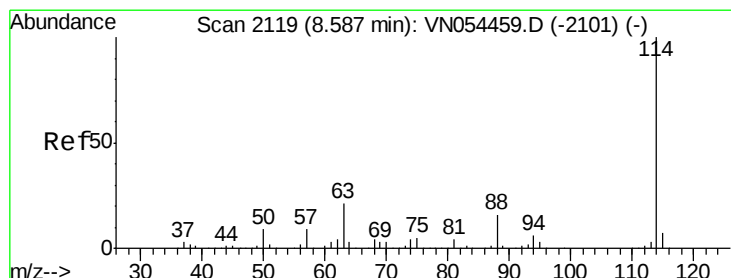
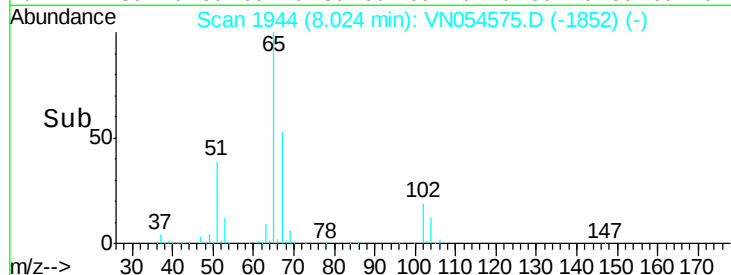
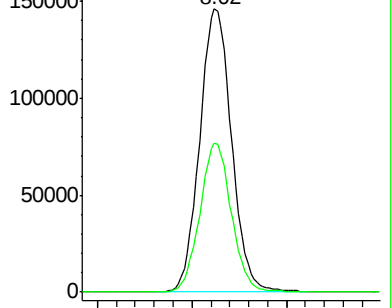
65 100

67 51.9 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: VN054575.D

Acq: 23 Mar 2019 00:02

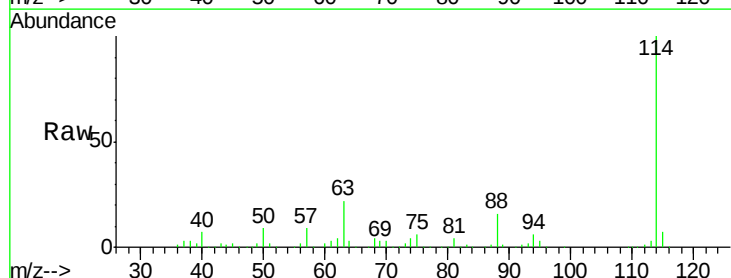
Tgt Ion: 114 Resp: 839822

Ion Ratio Lower Upper

114 100

63 22.2 0.0 35.2

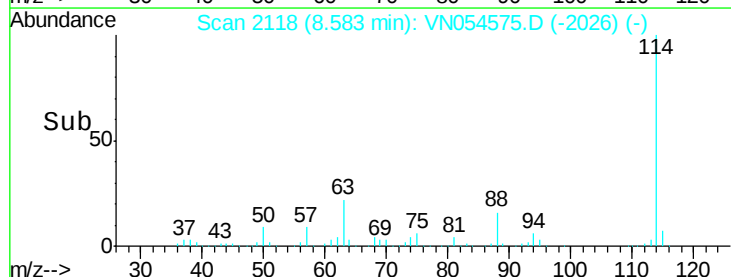
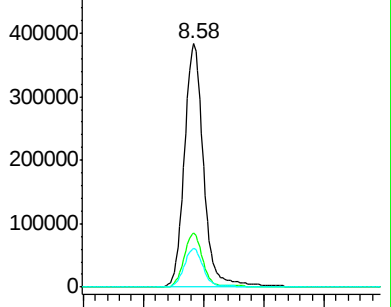
88 16.0 0.0 30.2

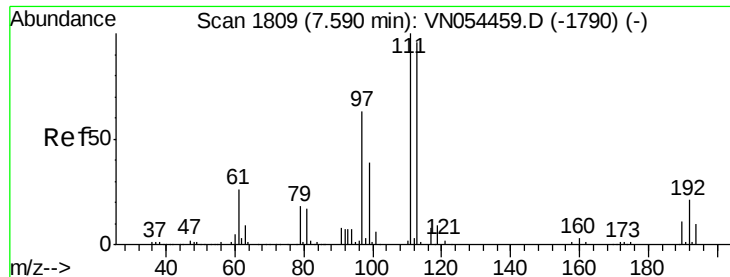


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

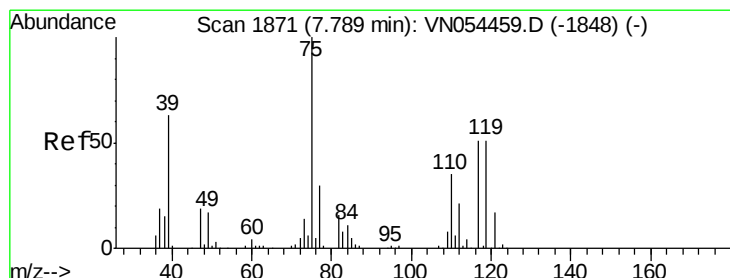
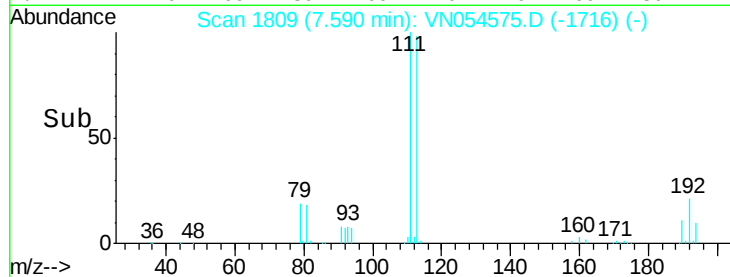
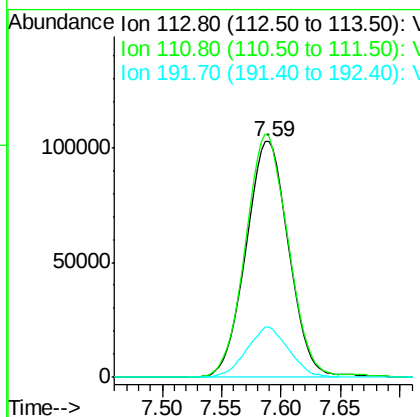
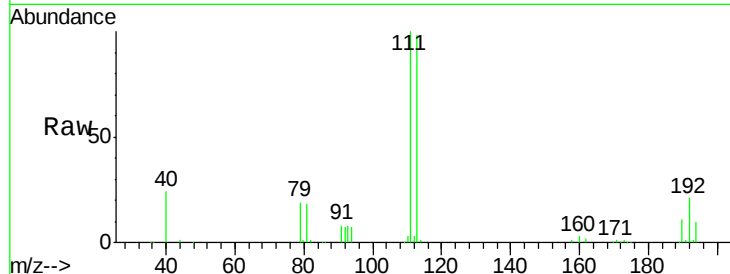




#35
Dibromofluoromethane
Concen: 47.066 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN054575.D
Acq: 23 Mar 2019 00:02

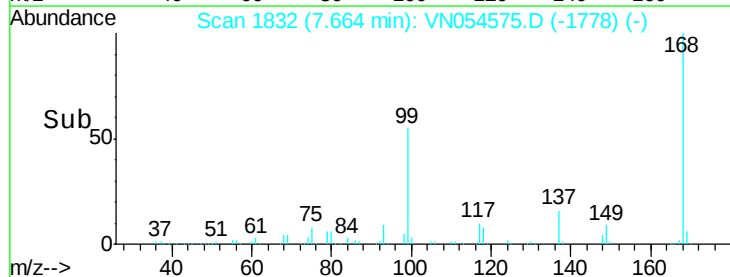
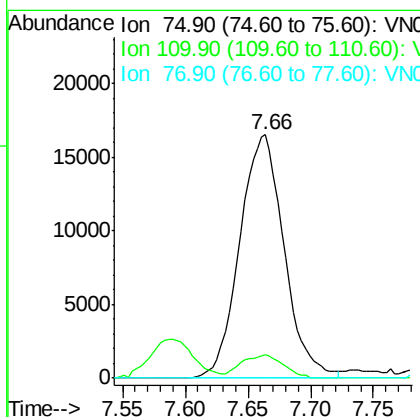
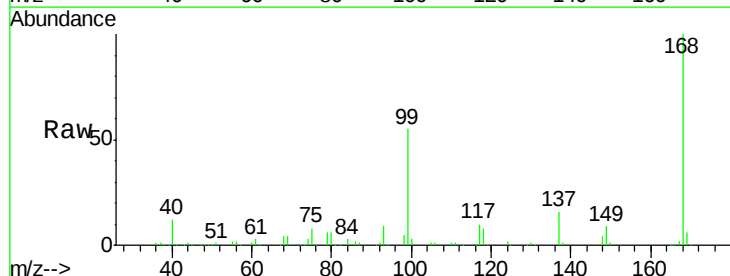
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WP022SB439-190318-(13-14)

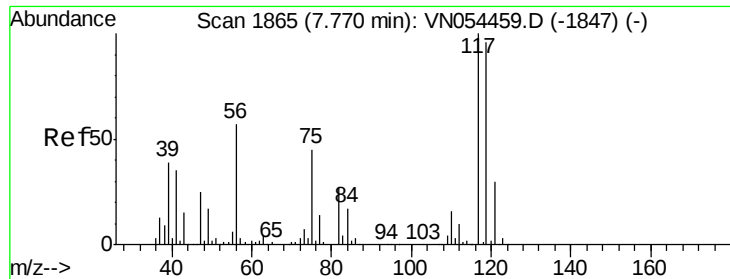
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.4
192	21.2	19.2	28.8



#36
1,1-Dichloropropene
Concen: 5.179 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN054575.D
Acq: 23 Mar 2019 00:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.593 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054575.D

Acq: 23 Mar 2019 00:02

Instrument :

MSVOA_N

ClientSampleId :

WP022SB439-190318-(13-14)

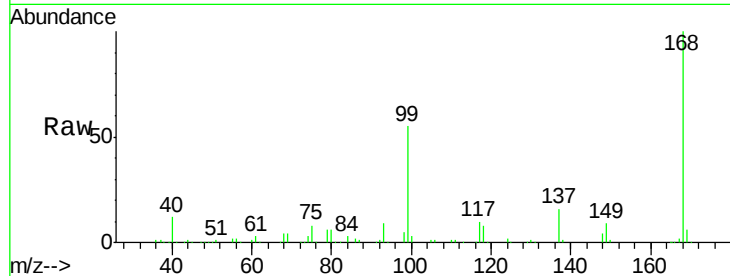
Tot Ion:117 Resp: 50309

Ion Ratio Lower Upper

117 100

119 3.5 76.3 114.5#

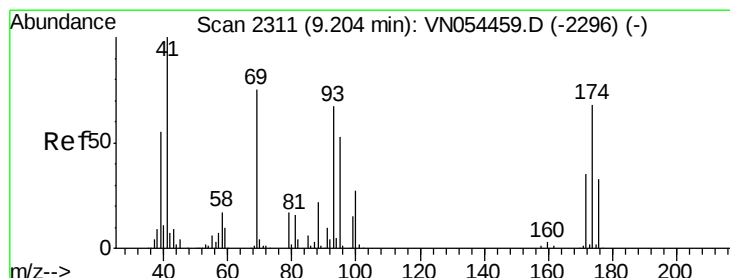
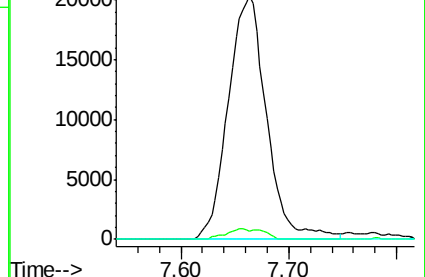
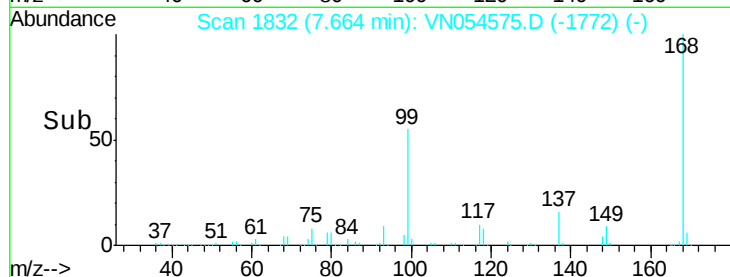
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 1.066 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN054575.D

Acq: 23 Mar 2019 00:02

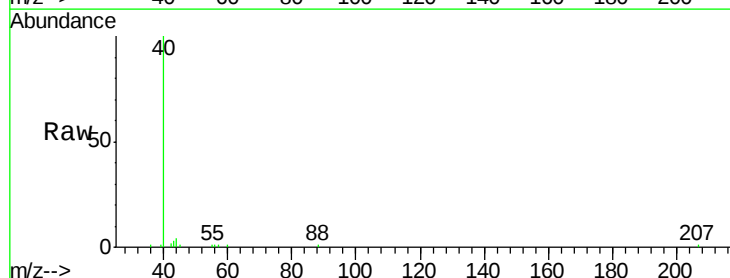
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 206.6 24.1 36.1#

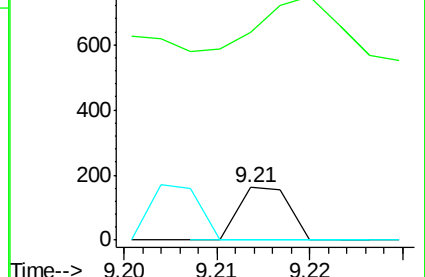
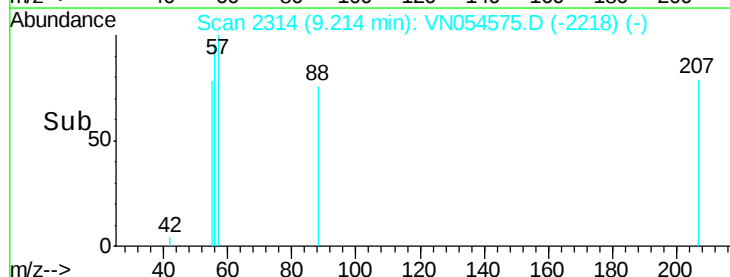
58 0.0 50.8 76.2#

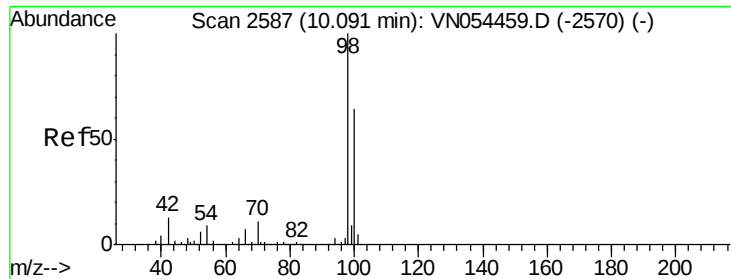


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 49.638 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054575.D

Acq: 23 Mar 2019 00:02

Instrument :

MSVOA_N

ClientSampleId :

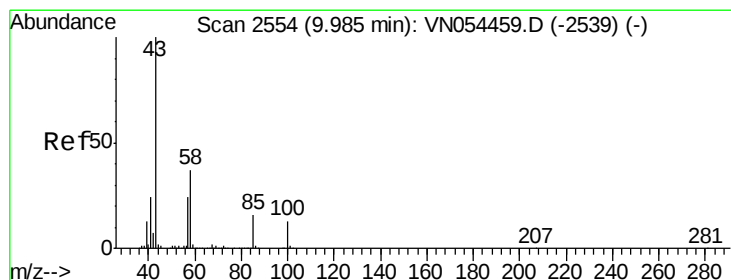
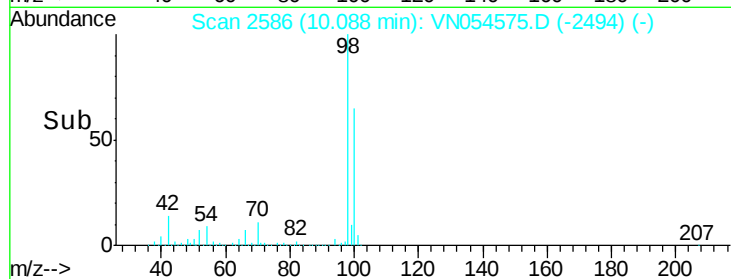
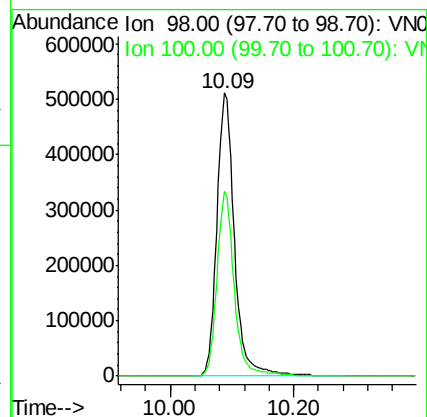
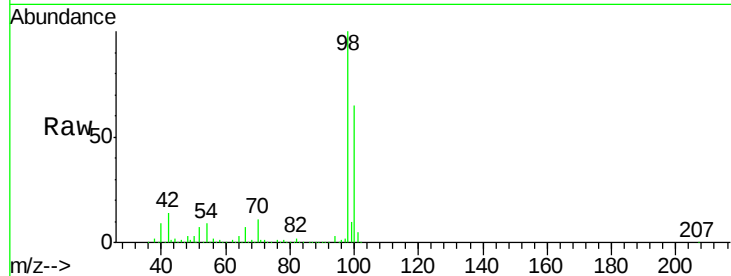
WP022SB439-190318-(13-14)

Tot Ion: 98 Resp: 1009654

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 0.477 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN054575.D

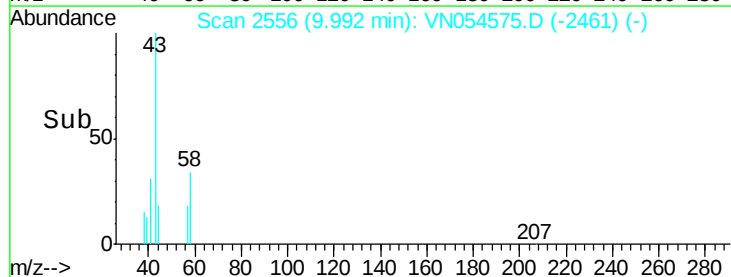
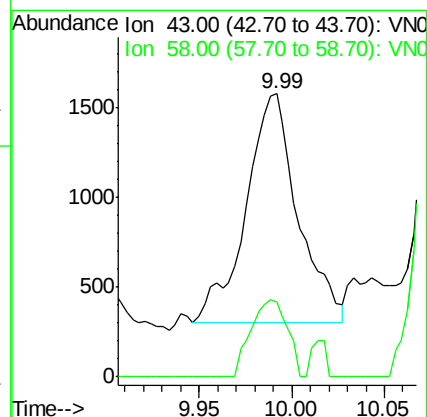
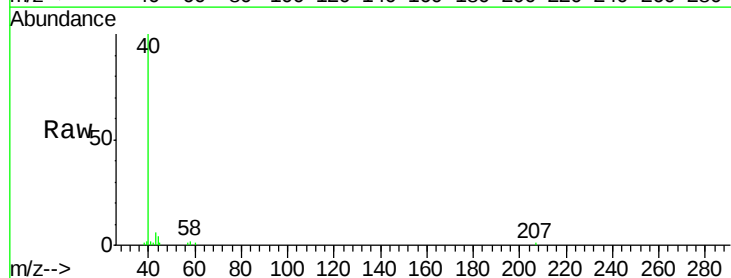
Acq: 23 Mar 2019 00:02

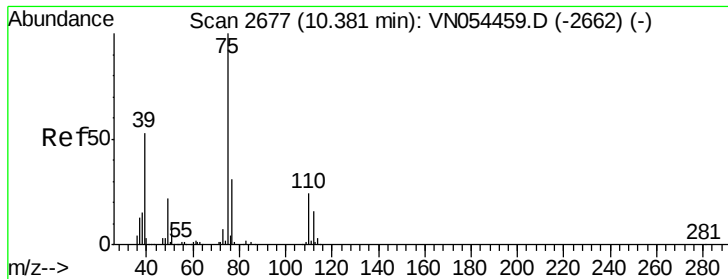
Tgt Ion: 43 Resp: 2491

Ion Ratio Lower Upper

43 100

58 23.7 31.8 47.6#

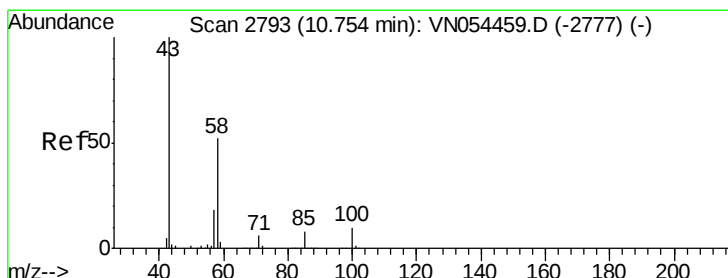
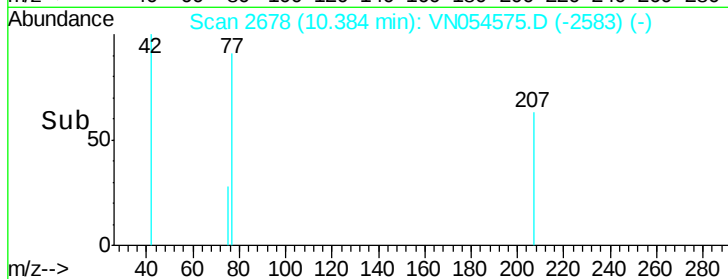
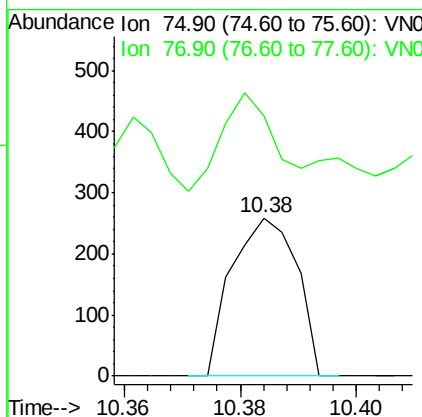
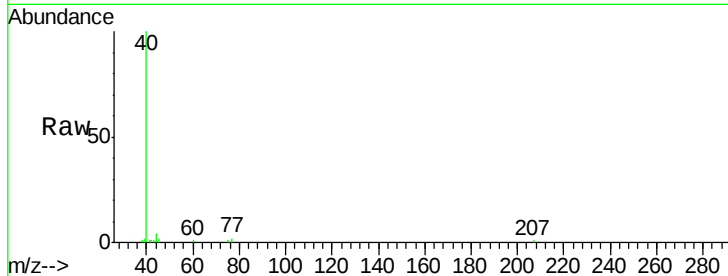




#53
t-1,3-Dichloropropene
Concen: 2.256 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN054575.D
Acq: 23 Mar 2019 00:02

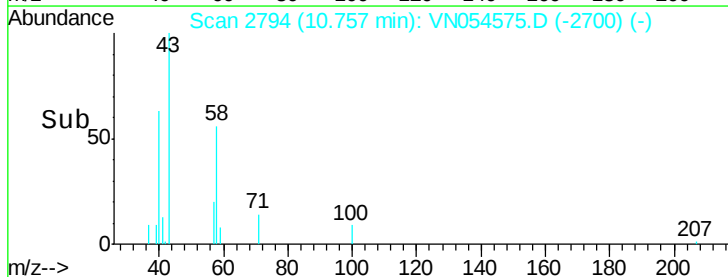
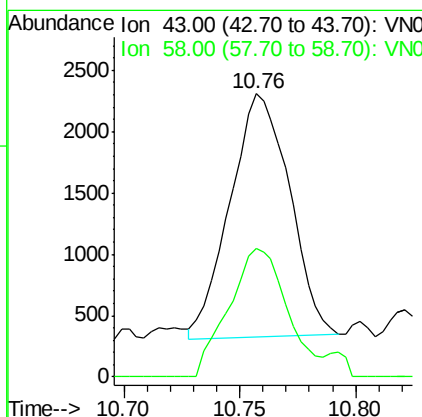
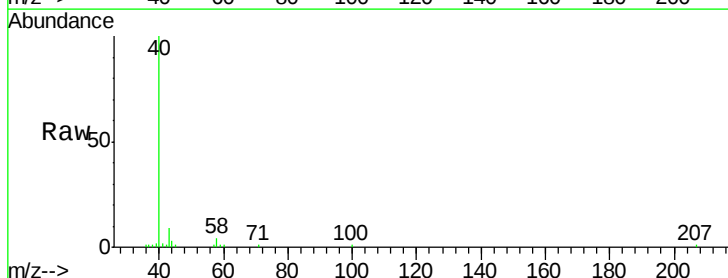
Instrument :
MSVOA_N
ClientSampleId :
WP022SB439-190318-(13-14)

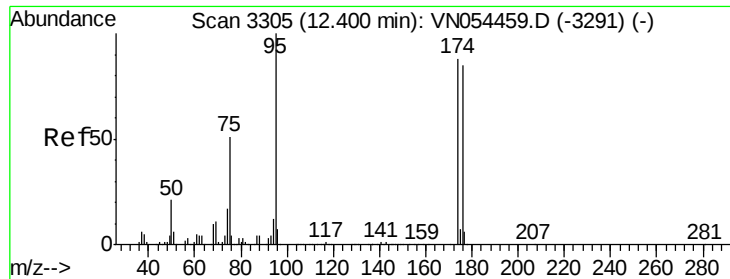
Tot Ion: 75 Resp: 201
Ion Ratio Lower Upper
75 100
77 47.9 25.8 38.8#



#59
2-Hexanone
Concen: 1.038 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN054575.D
Acq: 23 Mar 2019 00:02

Tgt Ion: 43 Resp: 3545
Ion Ratio Lower Upper
43 100
58 52.0 28.0 83.9





#62

4-Bromofluorobenzene

Concen: 46.109 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054575.D

Acq: 23 Mar 2019 00:02

Instrument :

MSVOA_N

ClientSampleId :

WP022SB439-190318-(13-14)

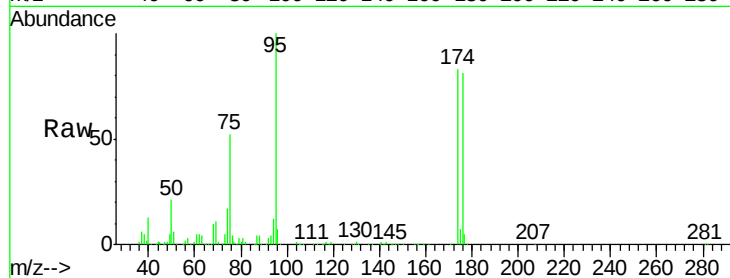
Tot Ion: 95 Resp: 319141

Ion Ratio Lower Upper

95 100

174 84.1 0.0 191.0

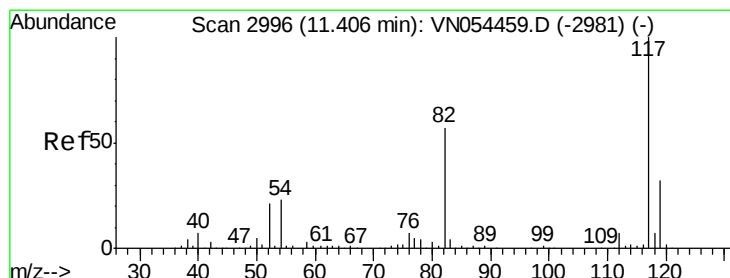
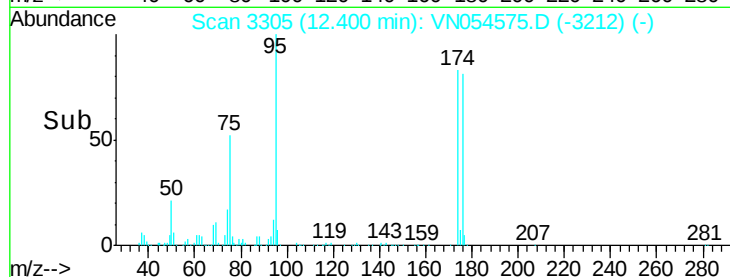
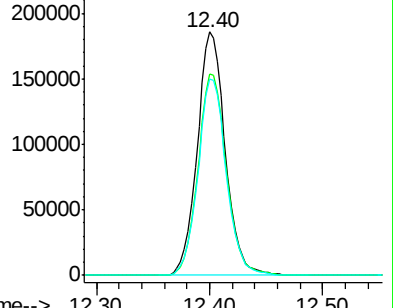
176 81.6 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054575.D

Acq: 23 Mar 2019 00:02

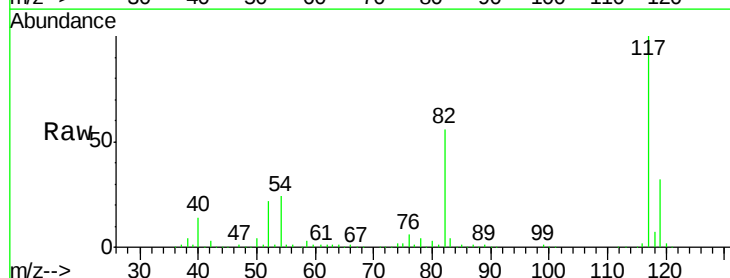
Tgt Ion: 117 Resp: 709863

Ion Ratio Lower Upper

117 100

82 55.9 40.0 60.0

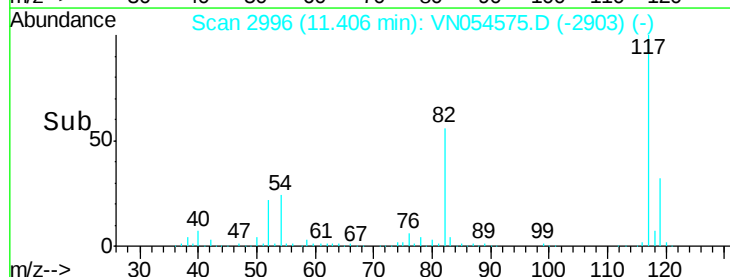
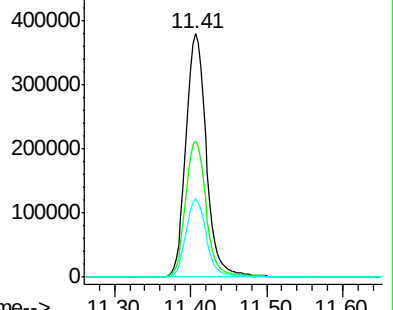
119 32.1 25.8 38.6

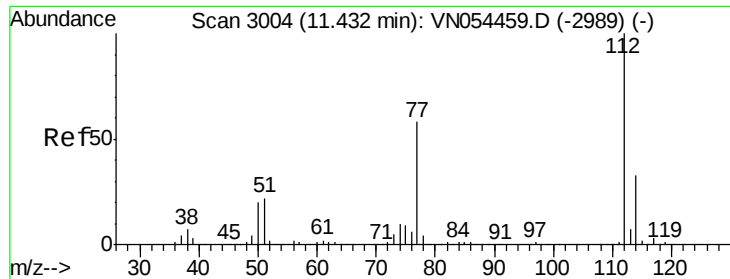


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054459.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054459.D (-2981) (-)

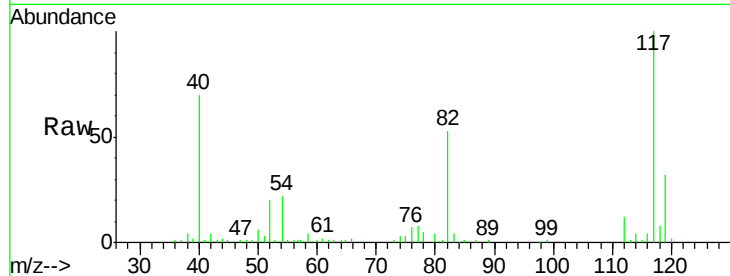




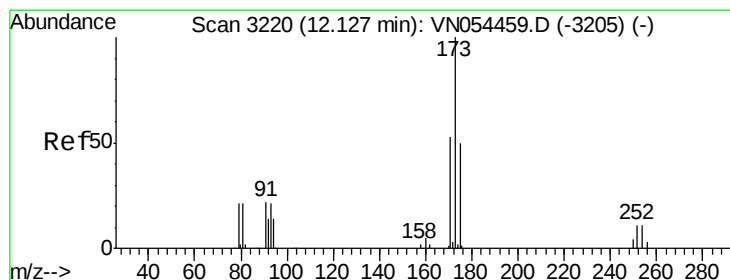
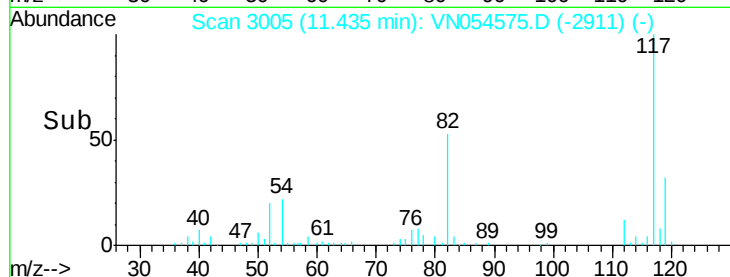
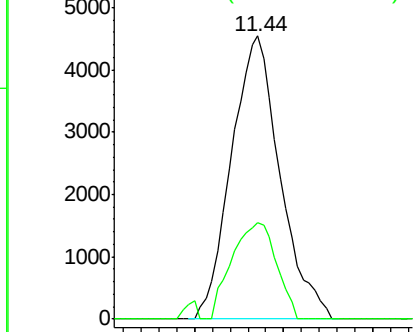
#65
Chlorobenzene
Concen: 0.598 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN054575.D
Acq: 23 Mar 2019 00:02

Instrument :
MSVOA_N
ClientSampleId :
WP022SB439-190318-(13-14)

Tot Ion:112 Resp: 8627
Ion Ratio Lower Upper
112 100
114 33.9 25.9 38.9

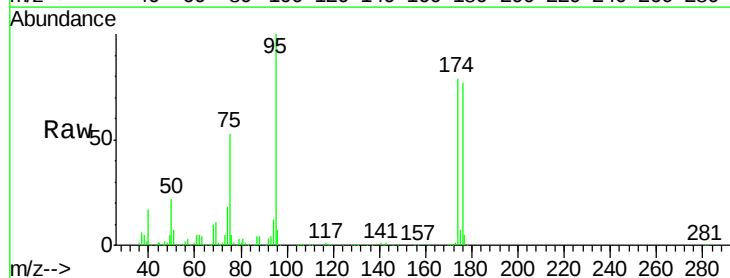


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

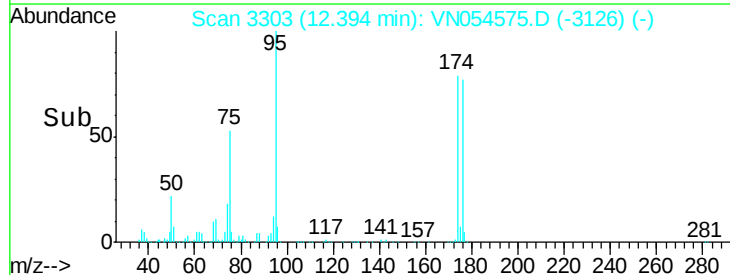
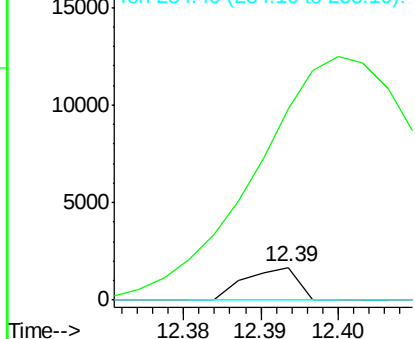


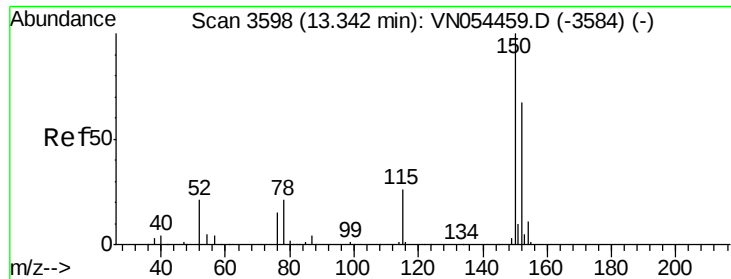
#71
Bromoform
Concen: 2.430 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN054575.D
Acq: 23 Mar 2019 00:02

Tgt Ion:173 Resp: 783
Ion Ratio Lower Upper
173 100
175 2264.0 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: VN054575.D

Acq: 23 Mar 2019 00:02

Instrument :

MSVOA_N

ClientSampleId :

WP022SB439-190318-(13-14)

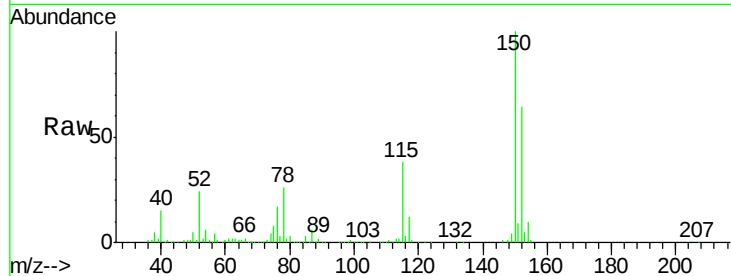
Tot Ion:152 Resp: 286294

Ion Ratio Lower Upper

152 100

115 58.2 27.2 81.6

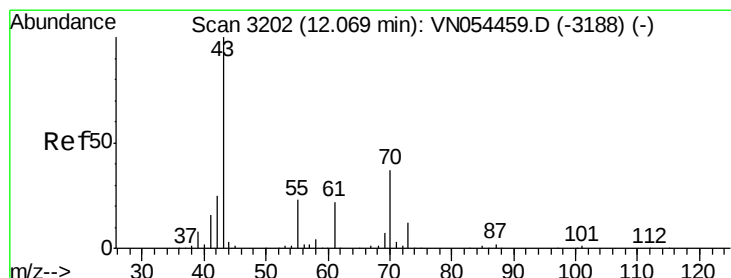
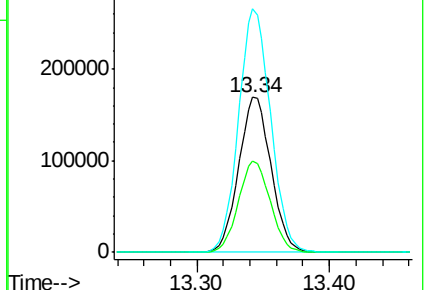
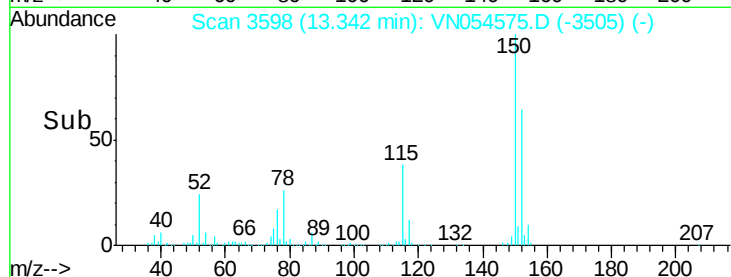
150 155.8 0.0 349.2



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: 0.268 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN054575.D

Acq: 23 Mar 2019 00:02

Tgt Ion: 43 Resp: 1781

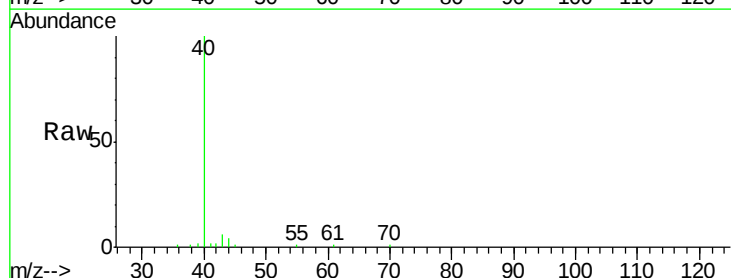
Ion Ratio Lower Upper

43 100

70 38.7 35.4 53.0

55 16.4 19.8 29.6#

61 13.8 19.8 29.6#

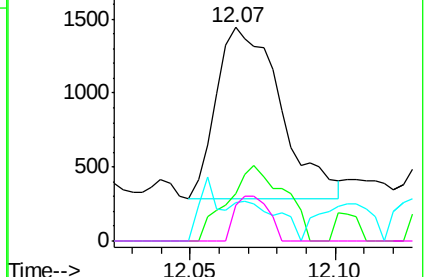
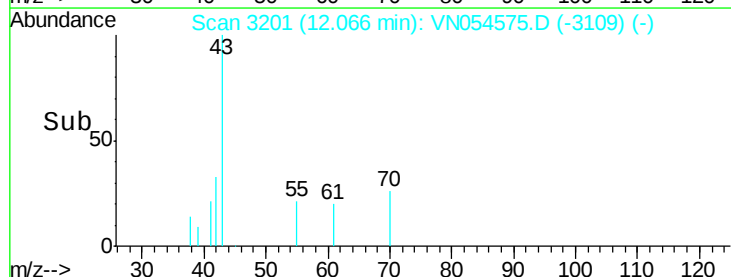


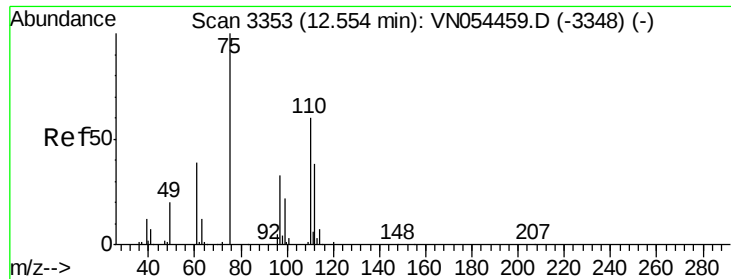
Abundance Ion 43.00 (42.70 to 43.70): V

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: 36.277 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054575.D

Acq: 23 Mar 2019 00:02

Instrument :

MSVOA_N

ClientSampleId :

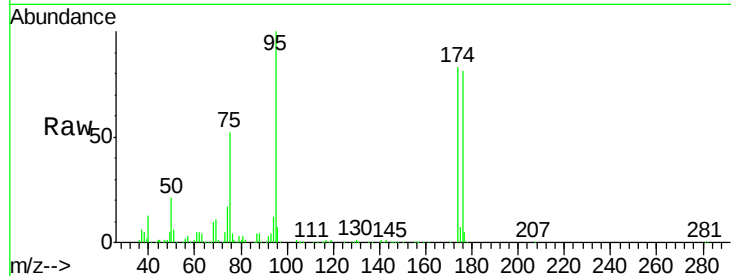
WP022SB439-190318-(13-14)

Tot Ion: 75 Resp: 164806

Ion Ratio Lower Upper

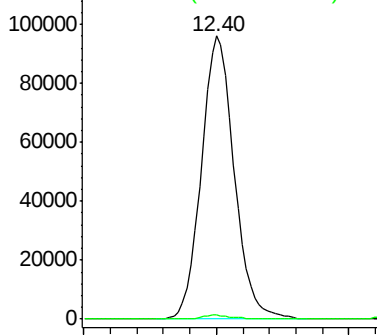
75 100

77 1.3 0.0 0.0#

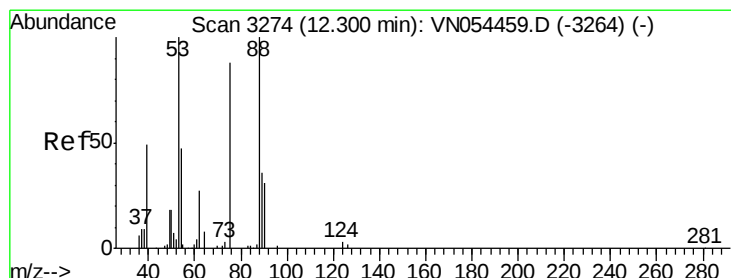
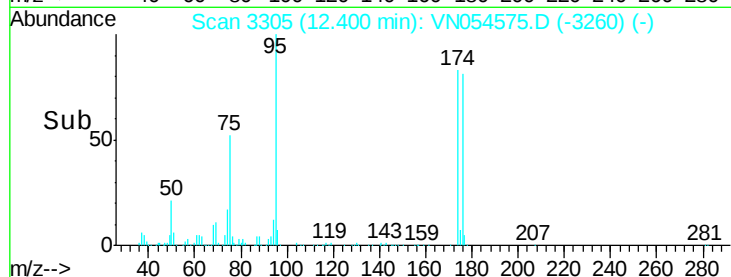


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 120.297 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054575.D

Acq: 23 Mar 2019 00:02

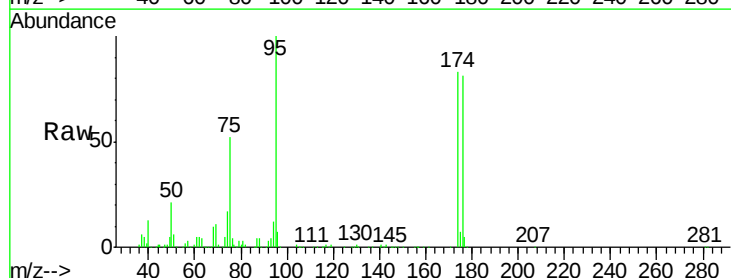
Tgt Ion: 75 Resp: 164806

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

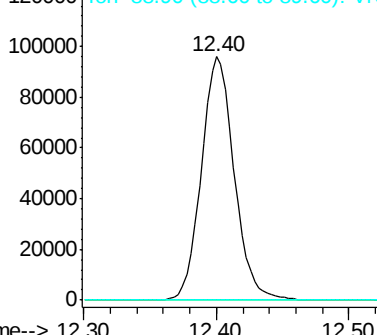
89 0.1 39.2 58.8#



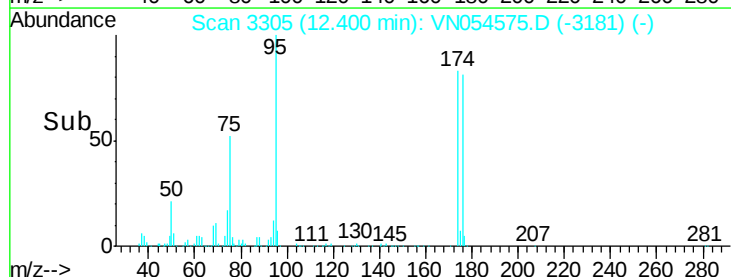
Abundance Ion 74.90 (74.60 to 75.60): VN0

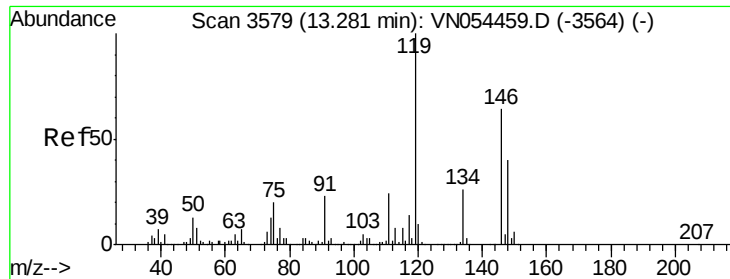
Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time--> 12.30 12.40 12.50

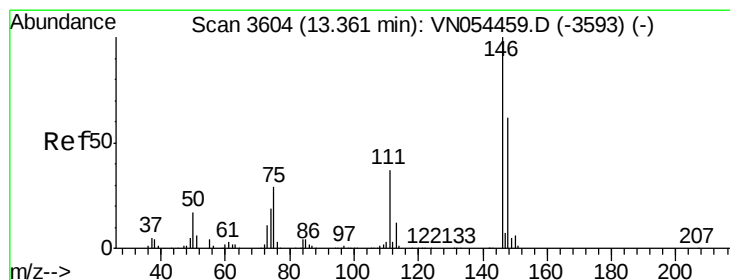
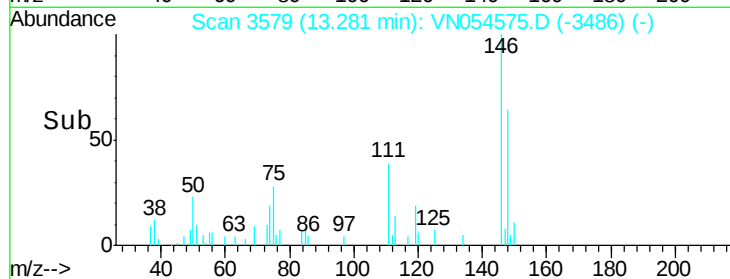
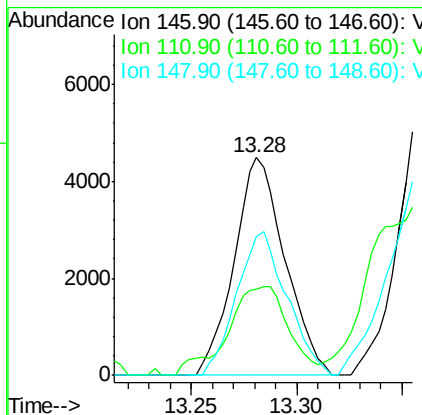
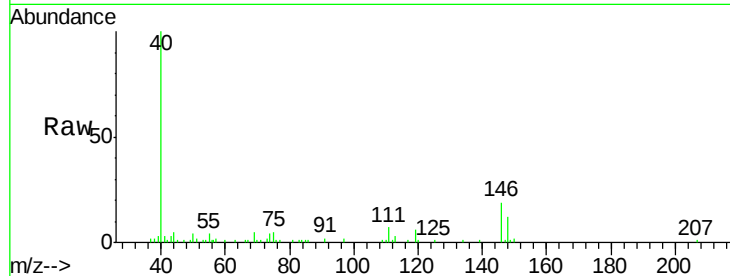




#87
 1,3-Dichlorobenzene
 Concen: 0.793 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054575.D
 Acq: 23 Mar 2019 00:02

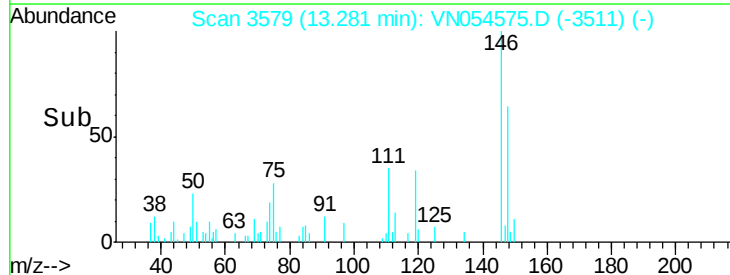
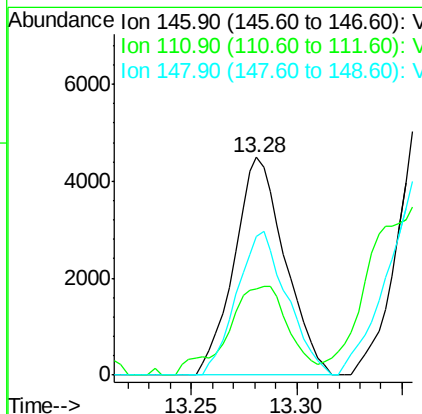
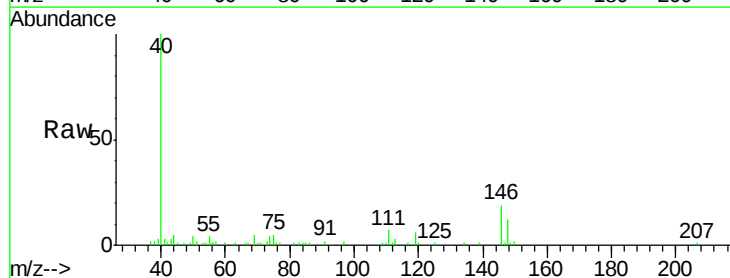
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB439-190318-(13-14)

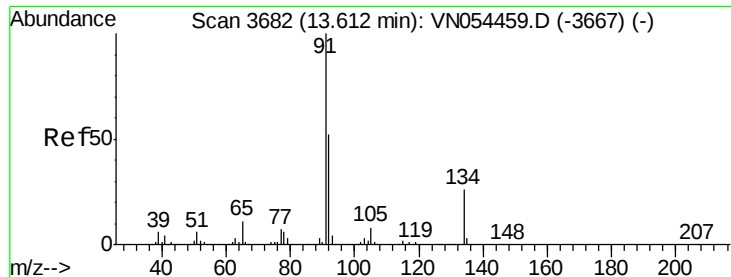
Tot Ion:146 Resp: 7516
 Ion Ratio Lower Upper
 146 100
 111 48.8 18.8 56.3
 148 65.1 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 0.815 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN054575.D
 Acq: 23 Mar 2019 00:02

Tgt Ion:146 Resp: 7516
 Ion Ratio Lower Upper
 146 100
 111 48.8 18.1 54.1
 148 65.1 32.0 96.0

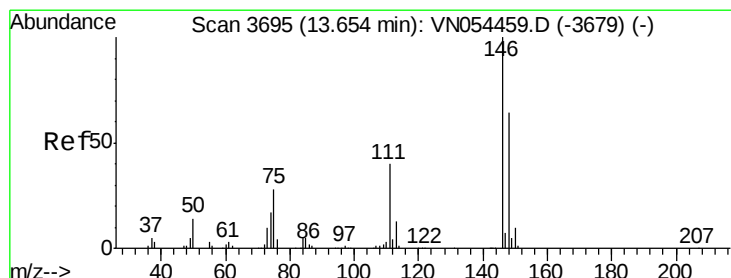
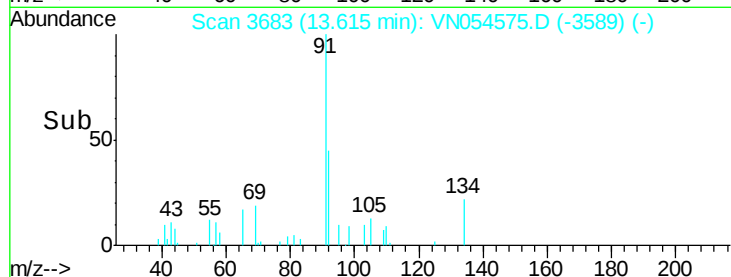
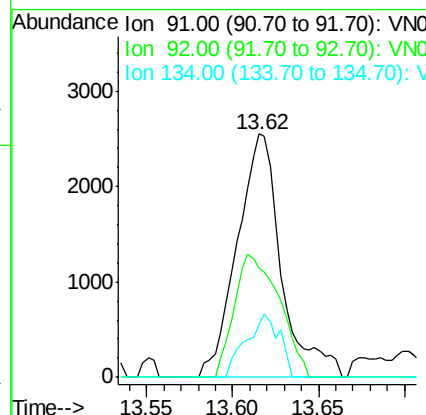
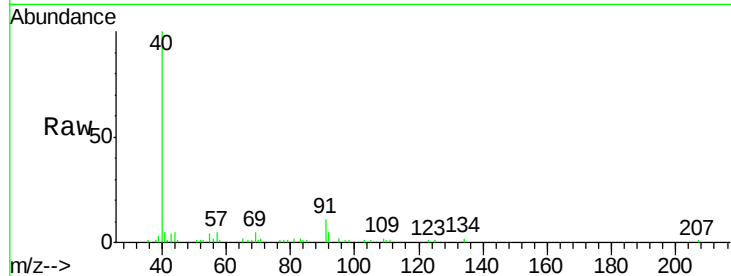




#89
n-Butylbenzene
Concen: 0.318 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054575.D
Acq: 23 Mar 2019 00:02

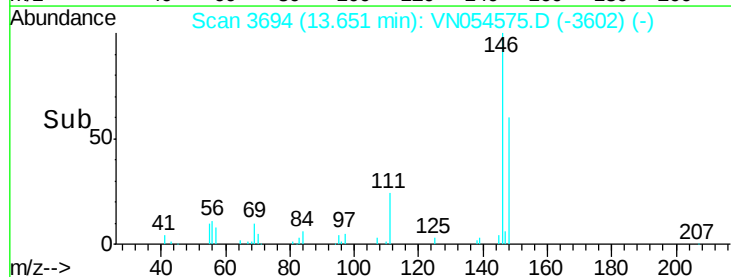
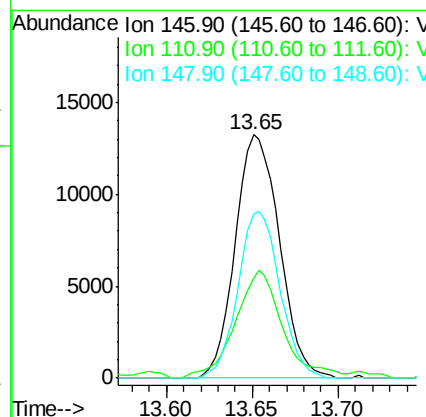
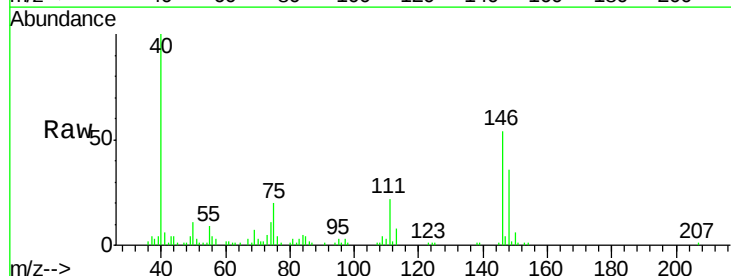
Instrument :
MSVOA_N
ClientSampleId :
WP022SB439-190318-(13-14)

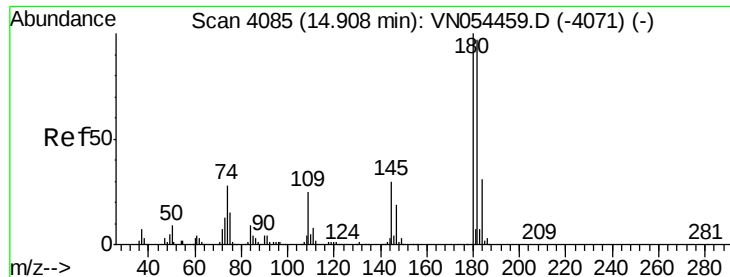
Tot Ion: 91 Resp: 4566
Ion Ratio Lower Upper
91 100
92 51.6 26.2 78.6
134 19.4 14.3 42.9



#91
1,2-Dichlorobenzene
Concen: 2.584 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VN054575.D
Acq: 23 Mar 2019 00:02

Tgt Ion: 146 Resp: 23727
Ion Ratio Lower Upper
146 100
111 47.1 19.1 57.3
148 64.9 32.4 97.0

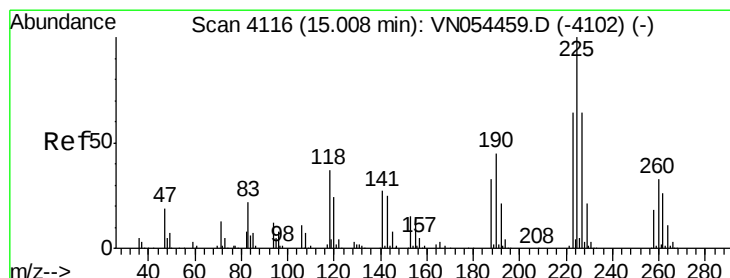
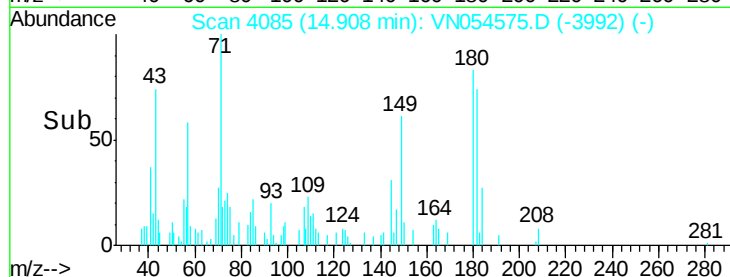
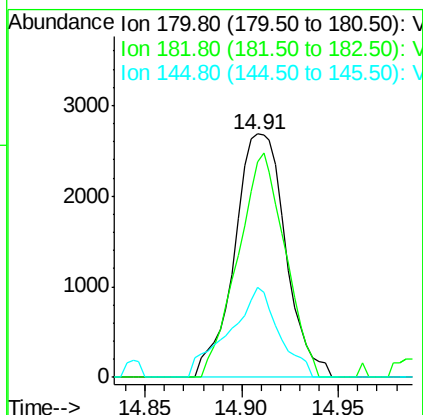
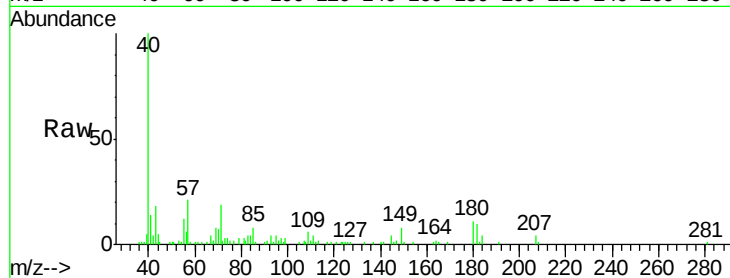




#93
 1,2,4-Trichlorobenzene
 Concen: 1.077 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054575.D
 Acq: 23 Mar 2019 00:02

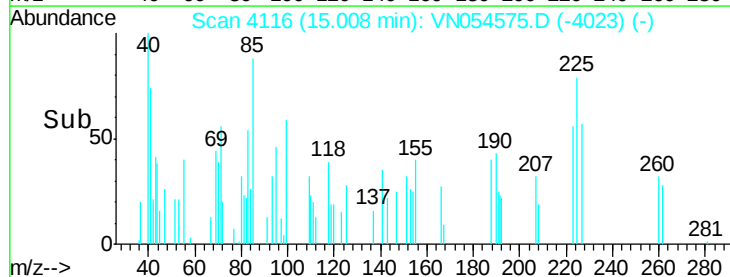
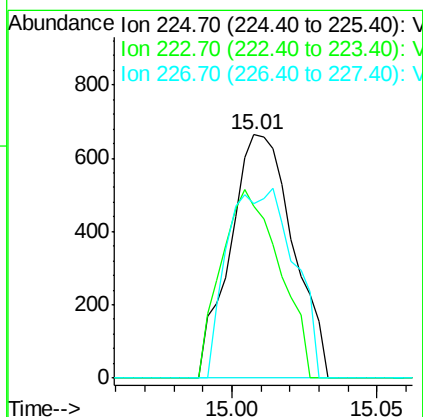
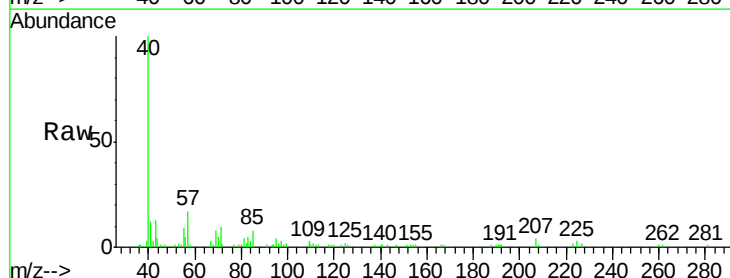
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB439-190318-(13-14)

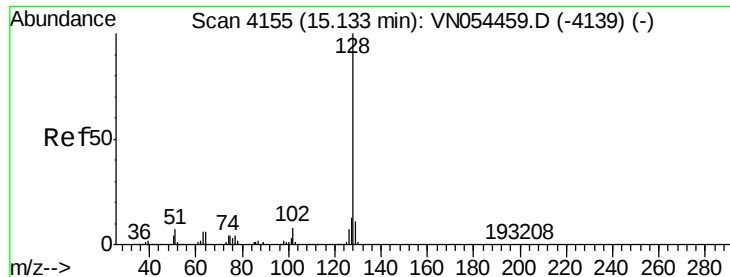
Tot Ion:180 Resp: 4929
 Ion Ratio Lower Upper
 180 100
 182 85.6 48.0 144.2
 145 36.3 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054575.D
 Acq: 23 Mar 2019 00:02

Tgt Ion:225 Resp: 1004
 Ion Ratio Lower Upper
 225 100
 223 71.4 31.1 93.5
 227 82.1 31.9 95.9





#95

Naphthalene

Concen: 0.922 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054575.D

Acq: 23 Mar 2019 00:02

Instrument :

MSVOA_N

ClientSampleId :

WP022SB439-190318-(13-14)

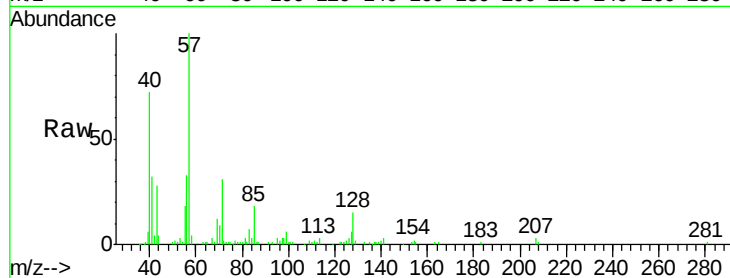
Tot Ion:128 Resp: 9417

Ion Ratio Lower Upper

128 100

127 64.5 10.1 15.1#

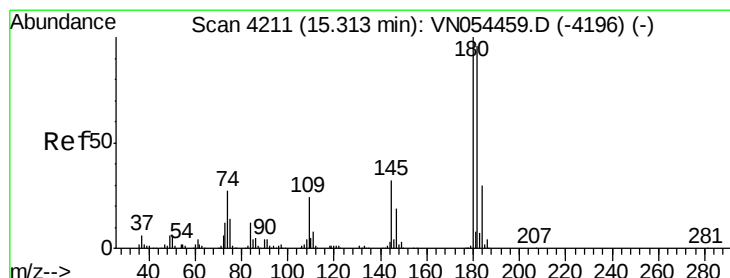
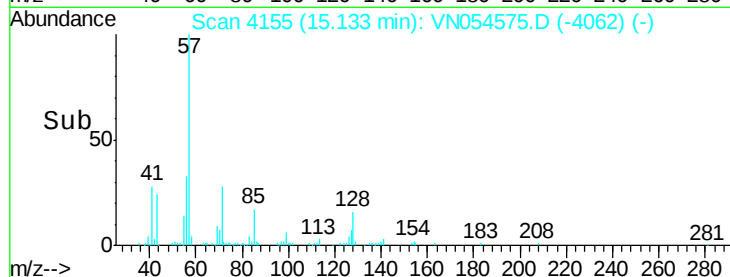
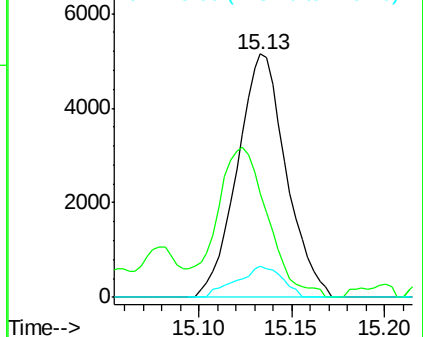
129 12.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.846 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054575.D

Acq: 23 Mar 2019 00:02

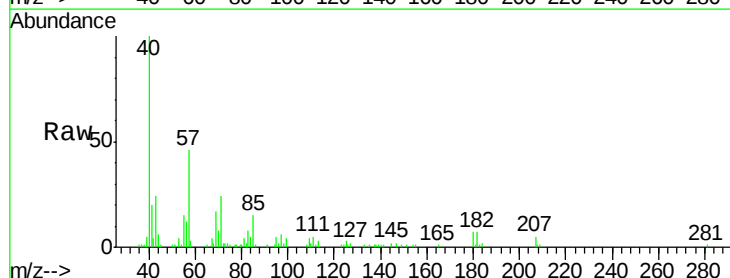
Tgt Ion:180 Resp: 3857

Ion Ratio Lower Upper

180 100

182 102.7 47.5 142.6

145 38.4 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

