

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054634.D
 Acq On : 24 Mar 2019 5:43
 Operator : JC/SP
 Sample : K2043-15
 Misc : 6.11g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB433-190319-FD-(23-25)

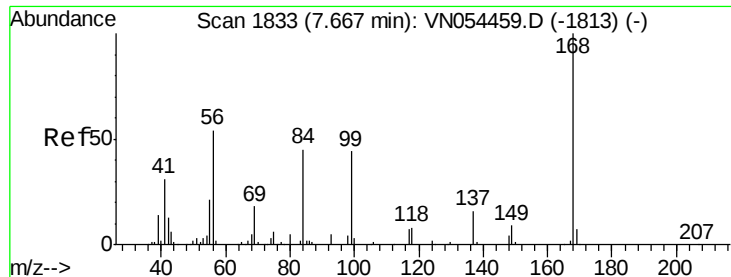
Quant Time: Mar 25 03:44:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	567627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	882187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	764826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	316875	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	352194	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
35) Dibromofluoromethane	7.59	113	266528	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
50) Toluene-d8	10.09	98	1072843	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.40	95	350179	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.77	59	106	0.248	ug/l #	70
18) Methyl Acetate	4.33	43	2071	0.438	ug/l #	84
31) Cyclohexane	7.66	56	12269	Below Cal	#	26
36) 1,1-Dichloropropene	7.66	75	43419	5.264	ug/l #	48
38) Carbon Tetrachloride	7.66	117	52036	6.492	ug/l #	15
53) t-1,3-Dichloropropene	10.23	75	33	2.236	ug/l #	42
65) Chlorobenzene	11.43	112	5826	0.375	ug/l	97
71) Bromoform	12.39	173	1344	2.554	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	178958	35.590	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	178958	118.080	ug/l #	11
88) 1,4-Dichlorobenzene	13.36	146	2348	0.230	ug/l #	1
91) 1,2-Dichlorobenzene	13.65	146	2494	0.245	ug/l	89

(#) = 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: VN054634.D

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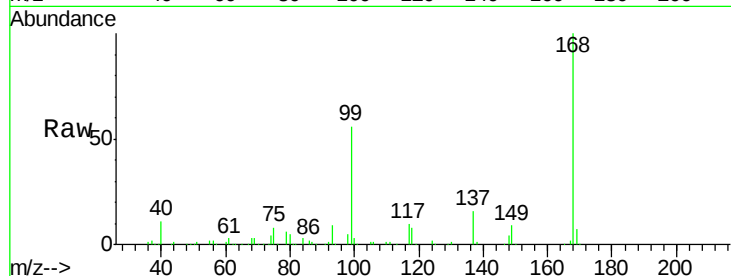
WP022SB433-190319-FD-(23-25)

Tot Ion:168 Resp: 567627

Ion Ratio Lower Upper

168 100

99 55.7 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

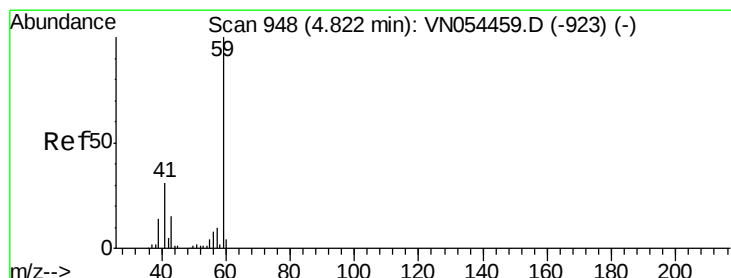
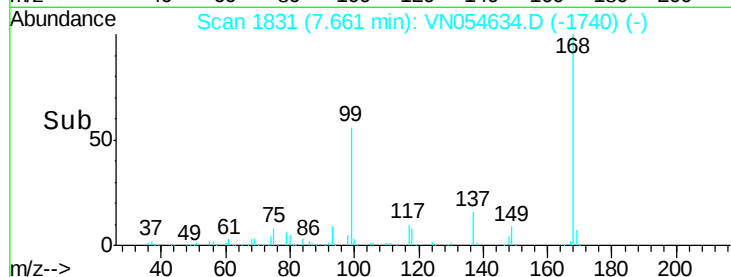
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.248 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.05 min

Lab File: VN054634.D

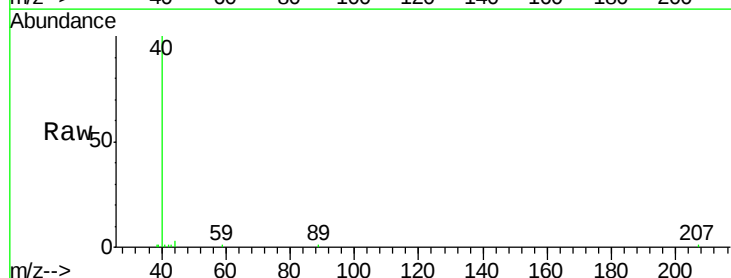
Acq: 24 Mar 2019 5:43

Tgt Ion: 59 Resp: 106

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

250

200

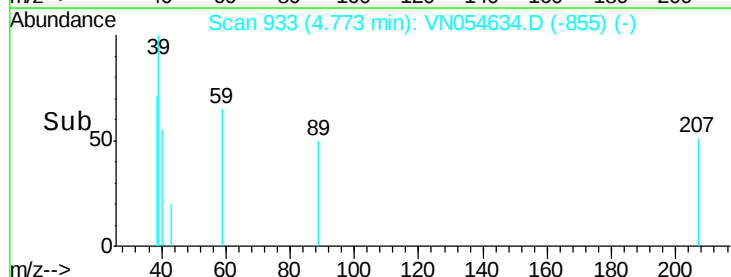
150

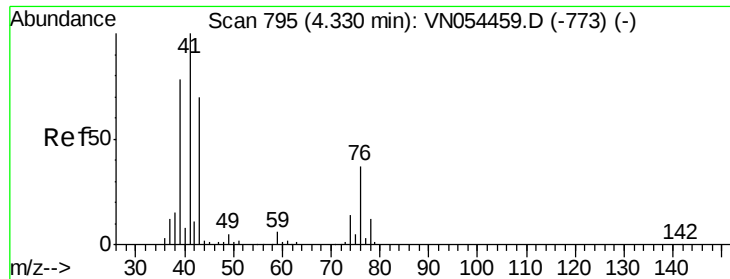
100

50

0

Time--> 4.76 4.77 4.78





#18

Methyl Acetate

Concen: 0.438 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054634.D

Acq: 24 Mar 2019 5:43

Instrument :

MSVOA_N

ClientSampleId :

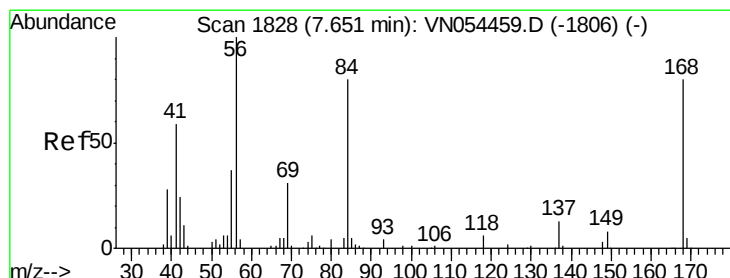
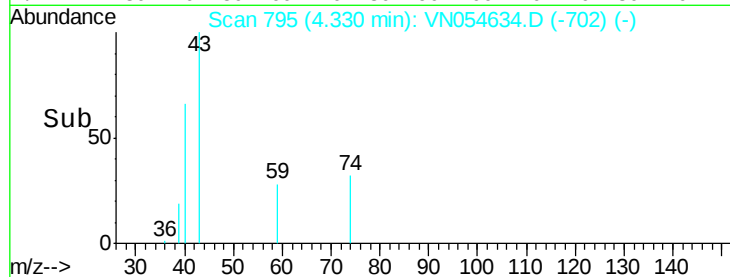
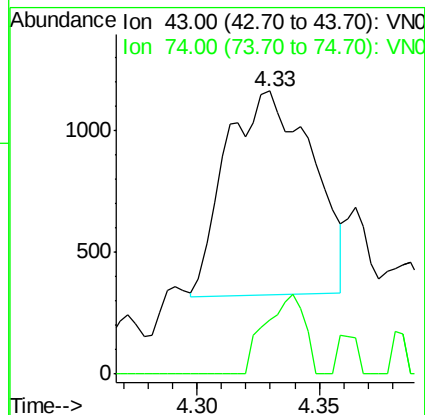
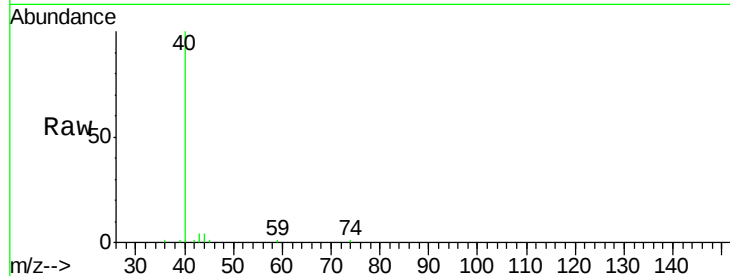
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Tot Ion: 43 Resp: 2071

Ion Ratio Lower Upper

43 100

74 17.6 20.8 31.2#



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN054634.D

Acq: 24 Mar 2019 5:43

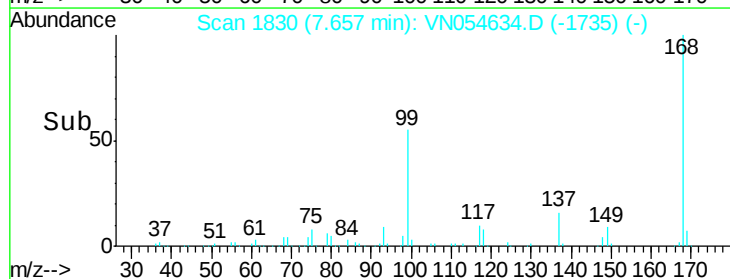
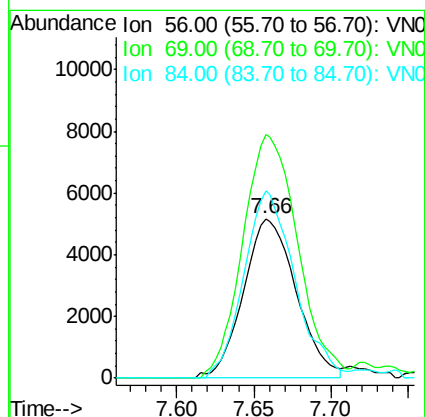
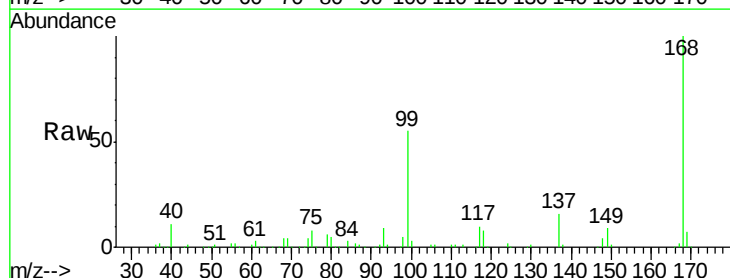
Tgt Ion: 56 Resp: 12269

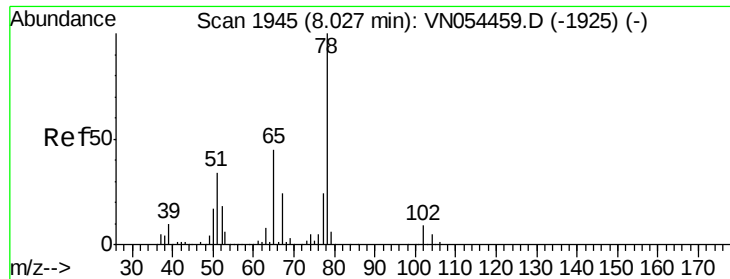
Ion Ratio Lower Upper

56 100

69 152.6 27.8 41.6#

84 117.3 74.6 111.8#

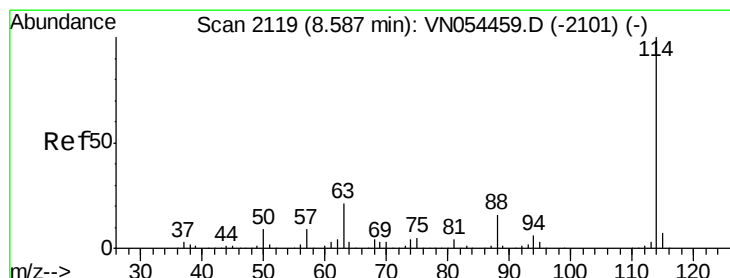
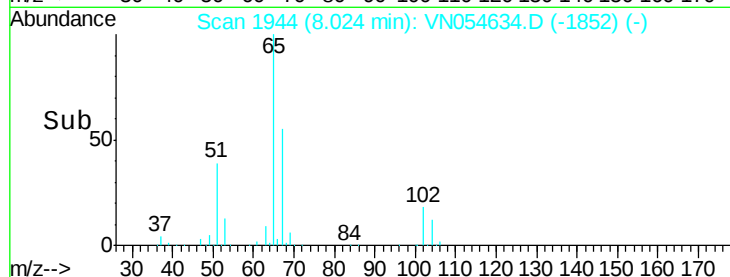
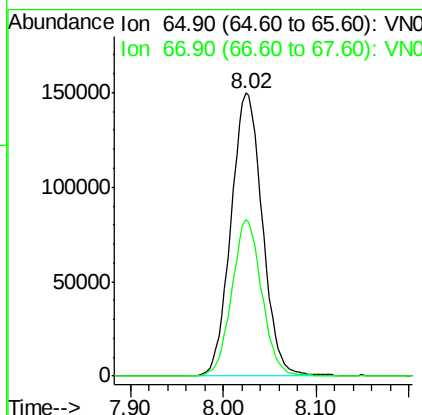
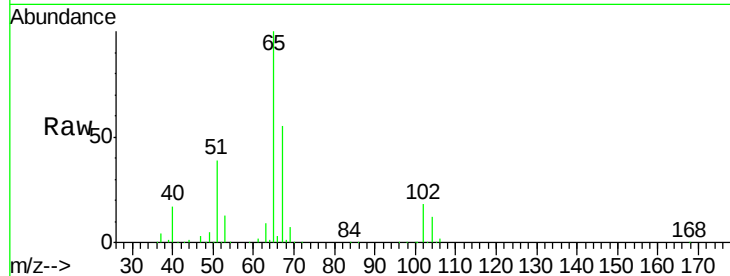




#33
 1,2-Dichloroethane-d4
 Concen: 49.883 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054634.D
 Acq: 24 Mar 2019 5:43

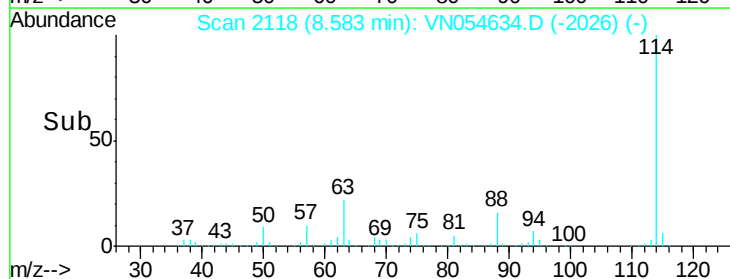
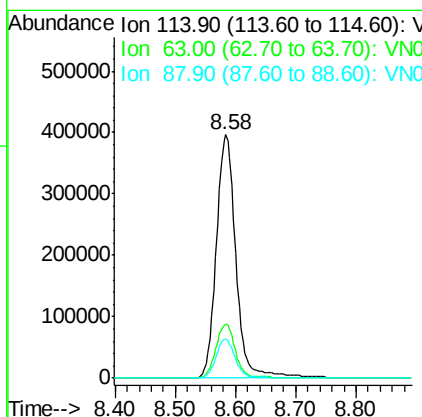
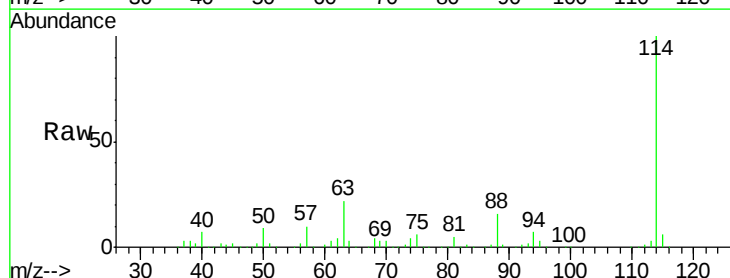
Instrument :
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 WP022SB433-190319-FD-(23-25)

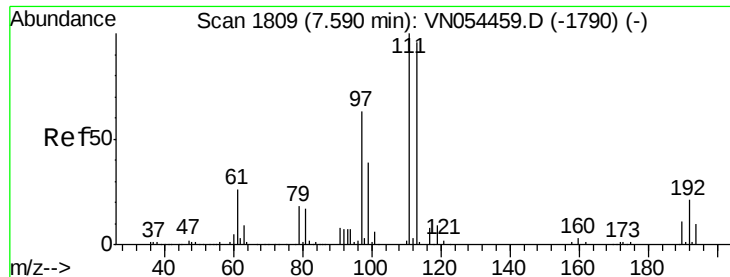
Tot Ion: 65 Resp: 352194
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054634.D
 Acq: 24 Mar 2019 5:43

Tgt Ion: 114 Resp: 882187
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 35.2
 88 16.1 0.0 30.2

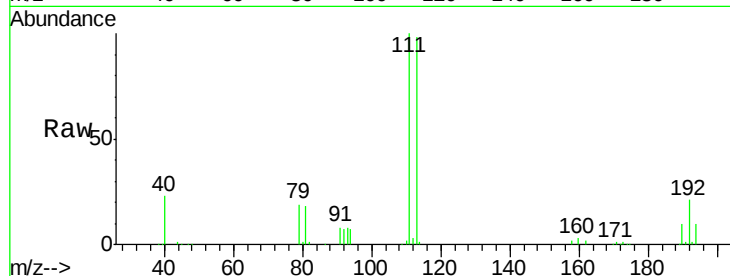




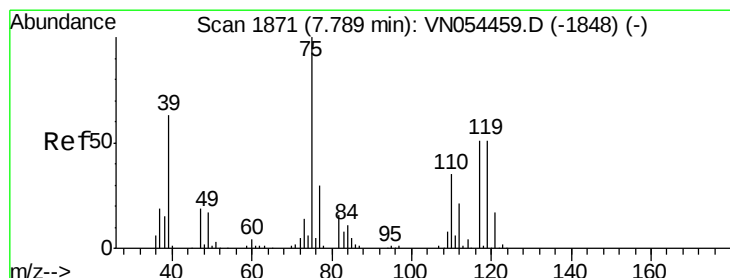
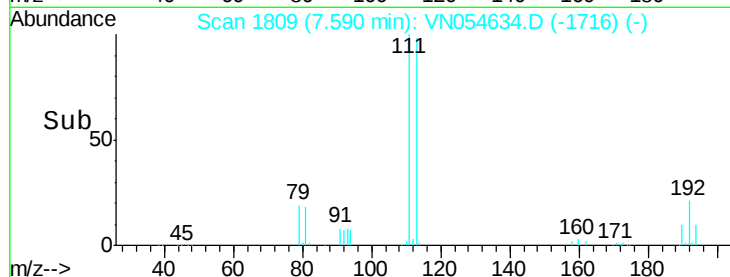
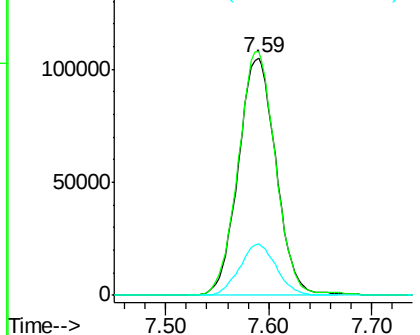
#35
 Dibromofluoromethane
 Concen: 46.895 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054634.D
 Acq: 24 Mar 2019 5:43

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion:113 Resp: 266528
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.2 123.4
 192 21.0 19.2 28.8

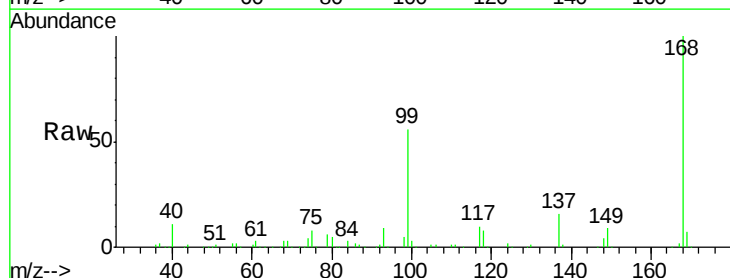


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

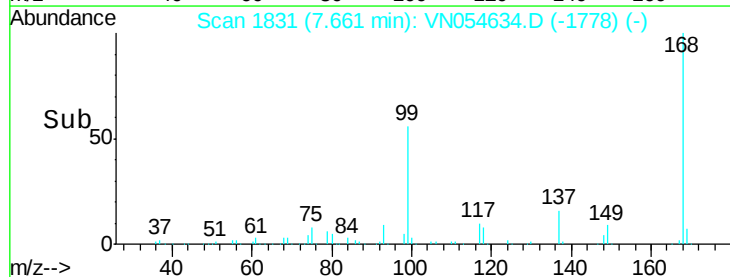
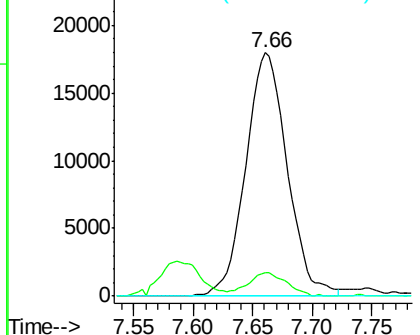


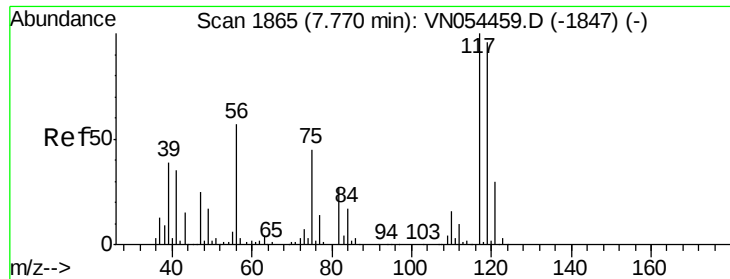
#36
 1,1-Dichloropropene
 Concen: 5.264 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN054634.D
 Acq: 24 Mar 2019 5:43

Tgt Ion: 75 Resp: 43419
 Ion Ratio Lower Upper
 75 100
 110 8.9 19.1 57.5#
 77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.492 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN054634.D

Acq: 24 Mar 2019 5:43

Instrument :

MSVOA_N

ClientSampleId :

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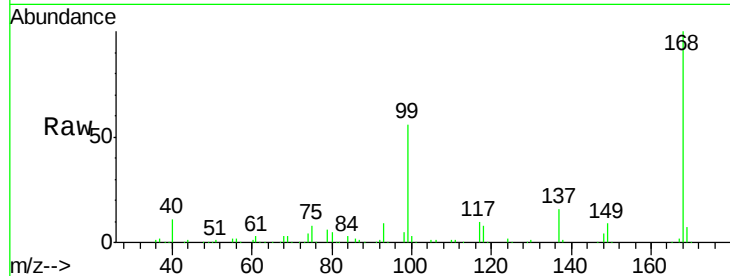
Tot Ion:117 Resp: 52036

Ion Ratio Lower Upper

117 100

119 4.0 76.3 114.5#

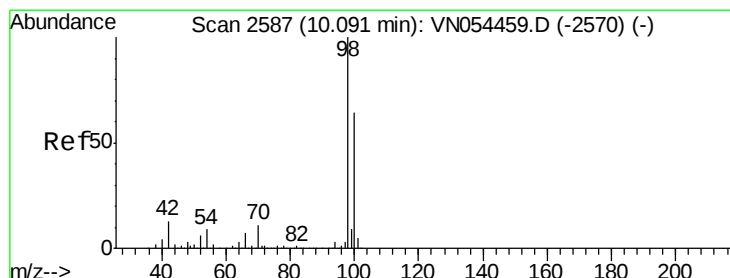
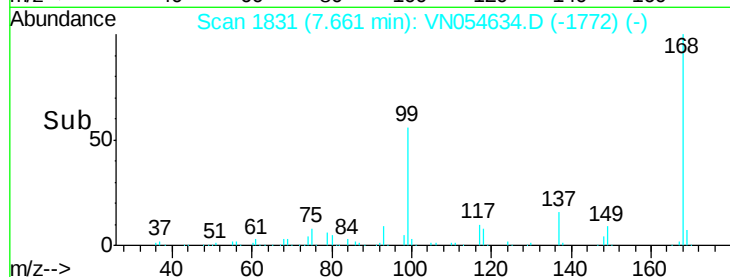
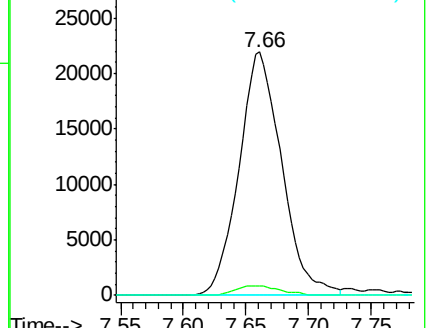
121 0.0 24.6 36.8#



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: 50.212 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054634.D

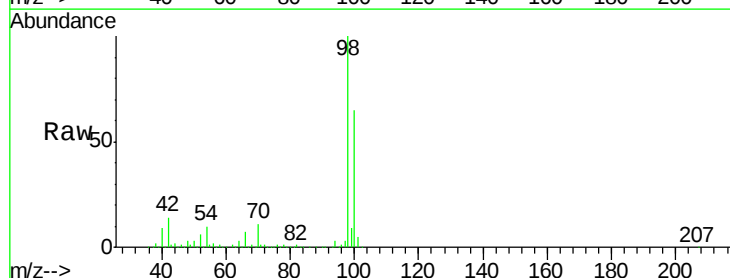
Acq: 24 Mar 2019 5:43

Tgt Ion: 98 Resp: 1072843

Ion Ratio Lower Upper

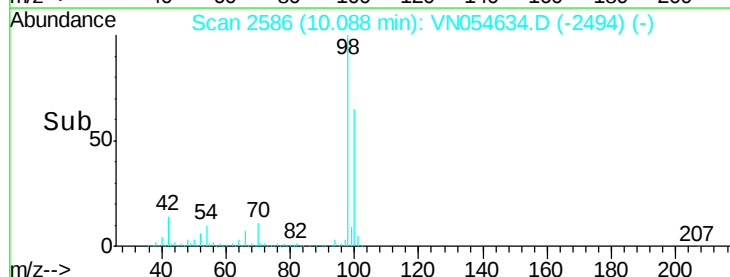
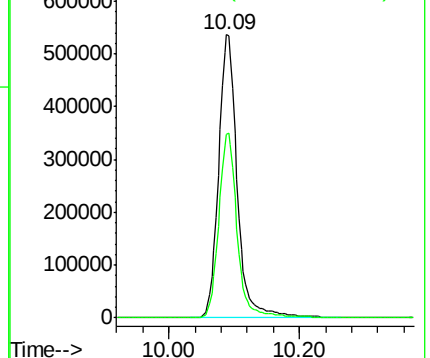
98 100

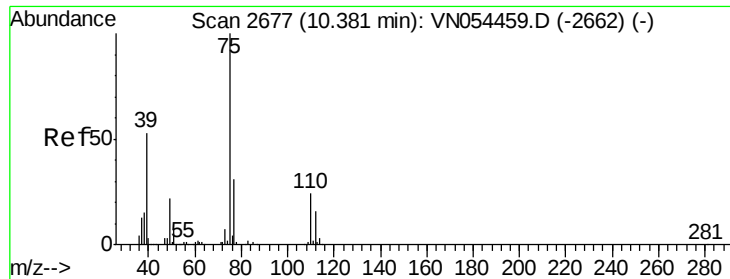
100 64.3 51.2 76.8



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: 2.236 ug/l

RT: 10.23 min Scan# 2630

Delta R.T. -0.15 min

Lab File: VN054634.D

Acq: 24 Mar 2019 5:43

Instrument :

MSVOA_N

ClientSampleId :

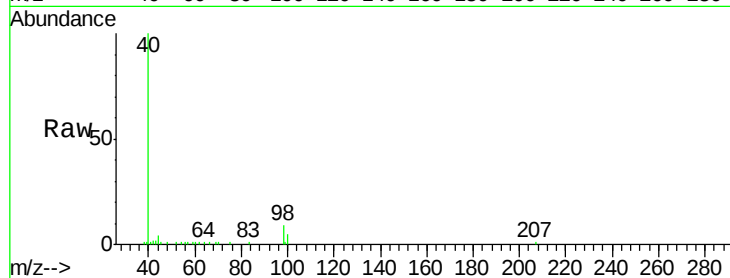
WP022SB433-190319-FD-(23-25)

Tot Ion: 75 Resp: 33

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

10.23

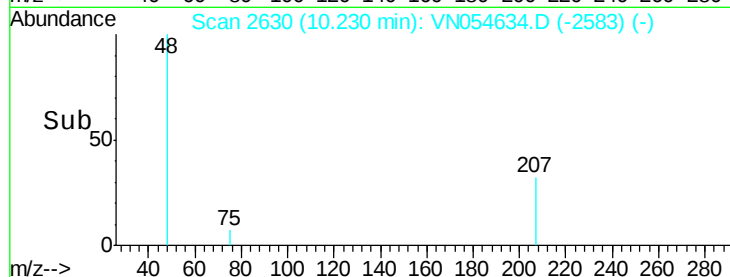
150

100

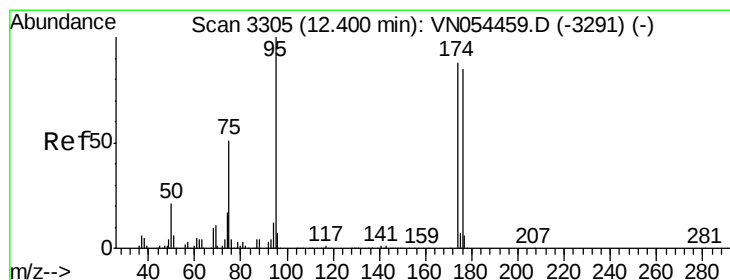
50

0

10.22 10.23 10.24



Time-->



#62

4-Bromofluorobenzene

Concen: 48.164 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054634.D

Acq: 24 Mar 2019 5:43

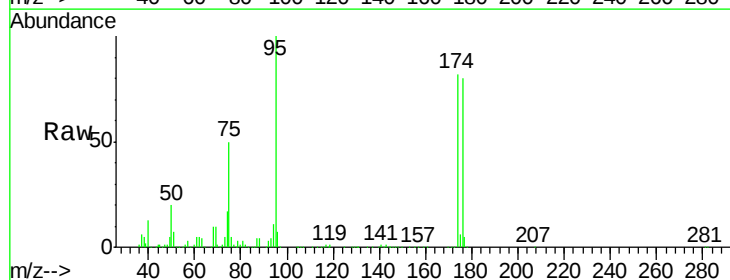
Tgt Ion: 95 Resp: 350179

Ion Ratio Lower Upper

95 100

174 83.5 0.0 191.0

176 80.9 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

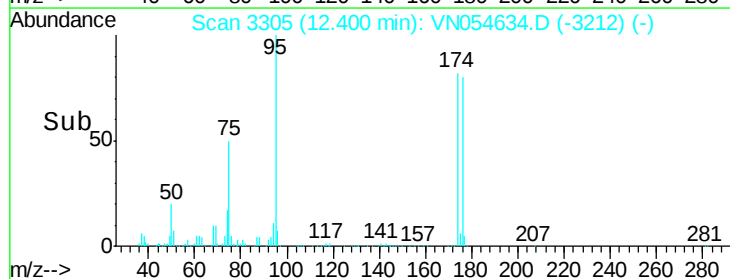
150000

100000

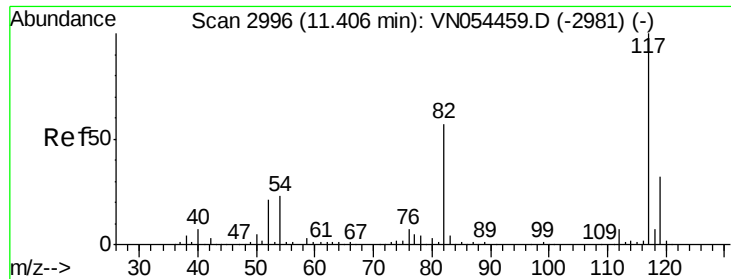
50000

0

12.30 12.40 12.50



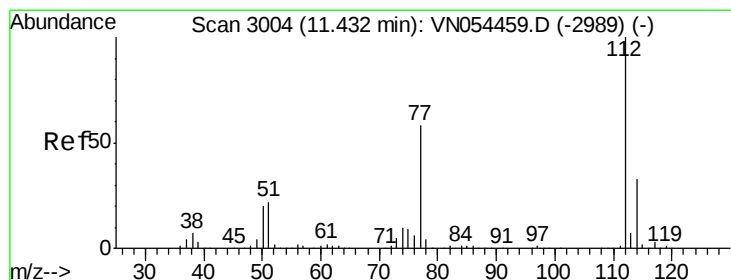
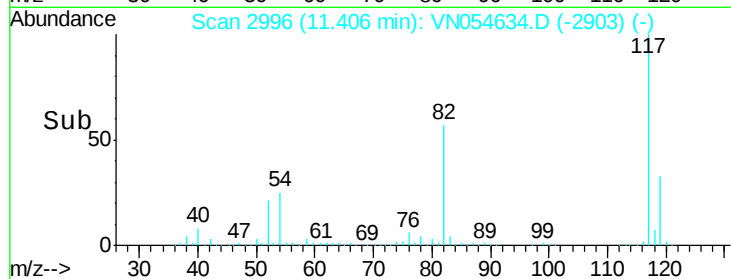
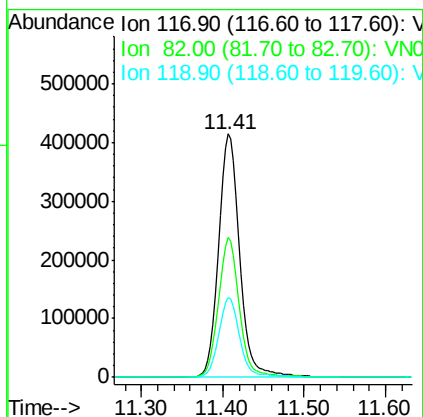
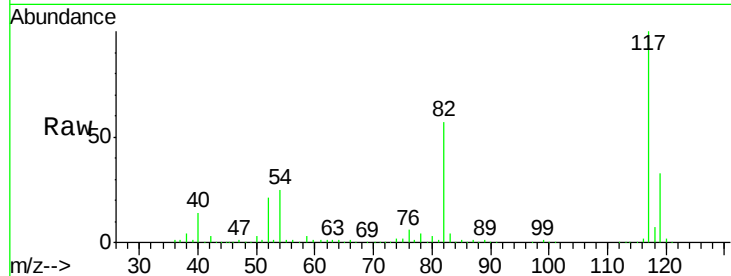
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054634.D
Acq: 24 Mar 2019 5:43

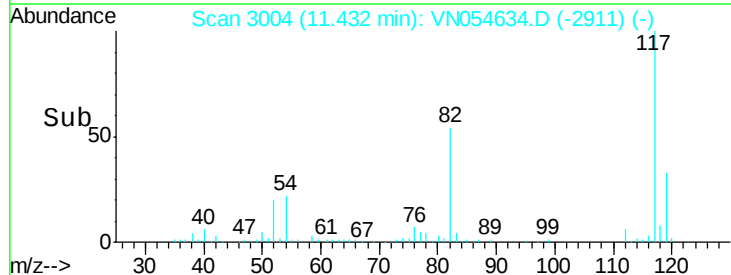
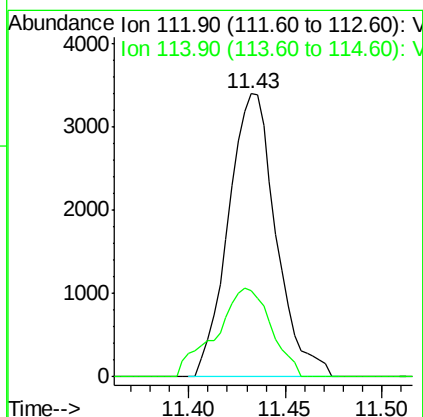
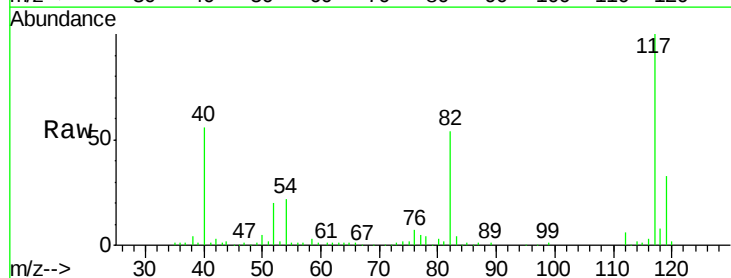
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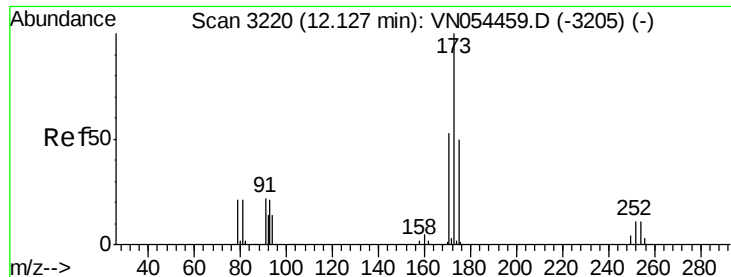
Tot Ion:117 Resp: 764826
Ion Ratio Lower Upper
117 100
82 57.5 40.0 60.0
119 32.6 25.8 38.6



#65
Chlorobenzene
Concen: 0.375 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054634.D
Acq: 24 Mar 2019 5:43

Tgt Ion:112 Resp: 5826
Ion Ratio Lower Upper
112 100
114 30.5 25.9 38.9





#71

Bromoform

Concen: 2.554 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN054634.D

Acq: 24 Mar 2019 5:43

Instrument :

MSVOA_N

ClientSampleId :

WP022SB433-190319-FD-(23-25)

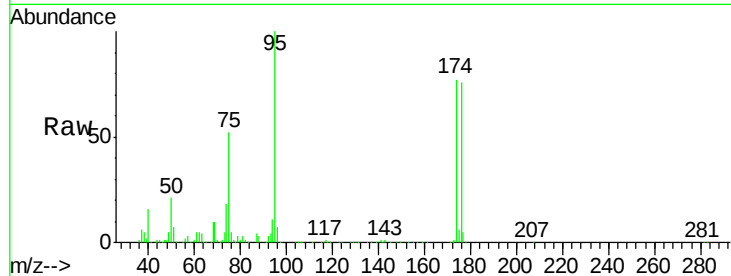
Tot Ion:173 Resp: 1344

Ion Ratio Lower Upper

173 100

175 1443.3 24.4 73.2#

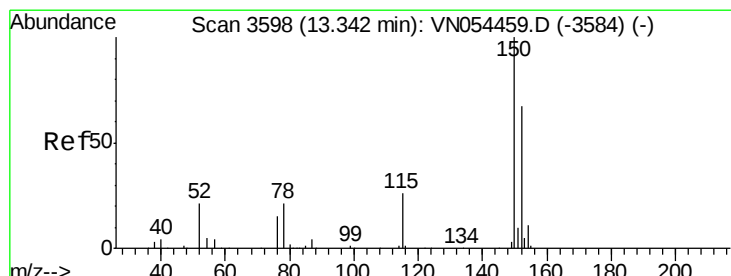
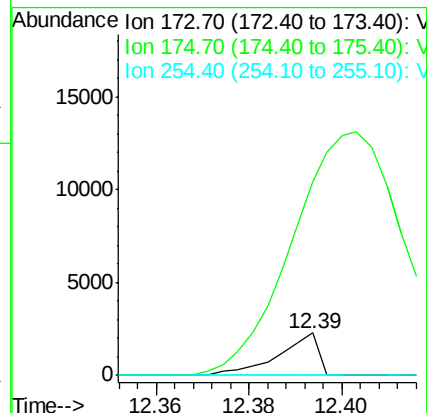
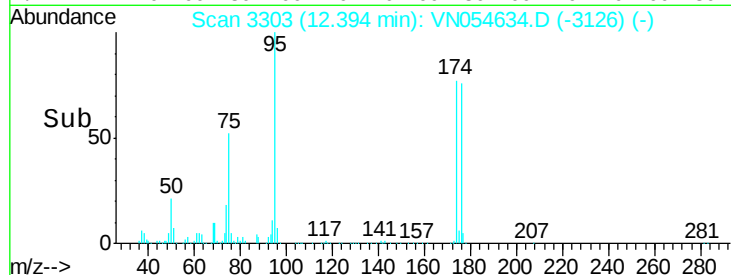
254 0.0 0.1 0.1#



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: VN054634.D

Acq: 24 Mar 2019 5:43

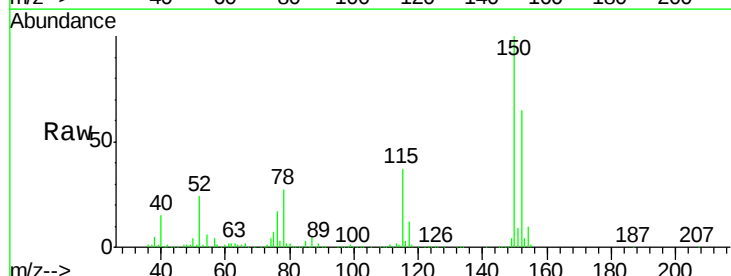
Tgt Ion:152 Resp: 316875

Ion Ratio Lower Upper

152 100

115 58.2 27.2 81.6

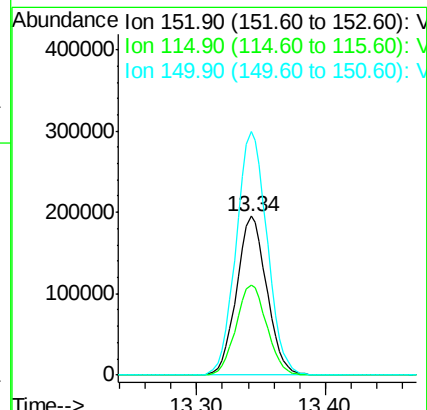
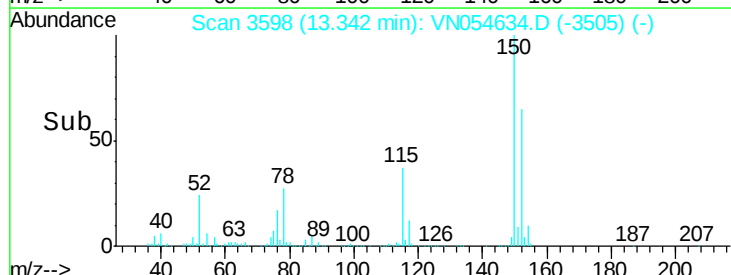
150 157.3 0.0 349.2

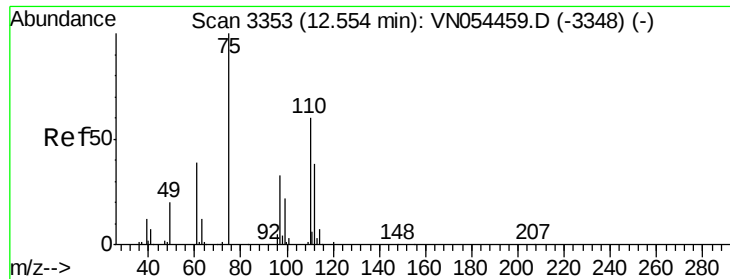


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.590 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054634.D

Acq: 24 Mar 2019 5:43

Instrument :

MSVOA_N

ClientSampleId :

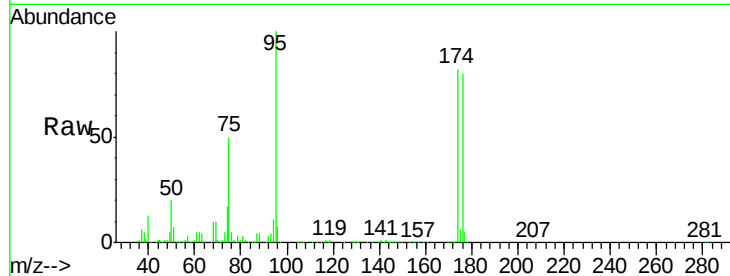
WP022SB433-190319-FD-(23-25)

Tot Ion: 75 Resp: 178958

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

120000

100000

80000

60000

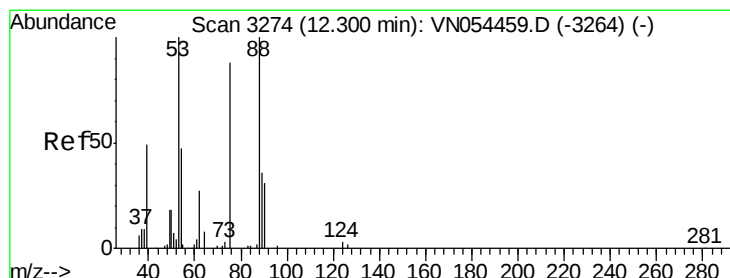
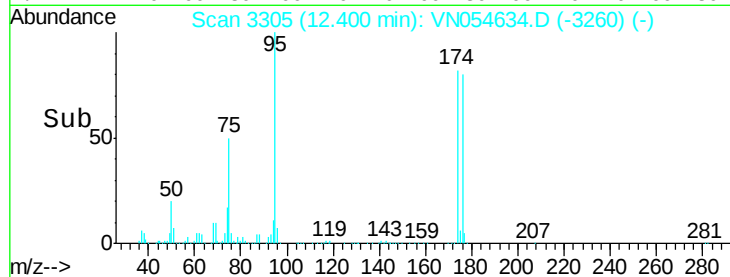
40000

20000

0

12.35 12.40 12.45 12.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 118.080 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054634.D

Acq: 24 Mar 2019 5:43

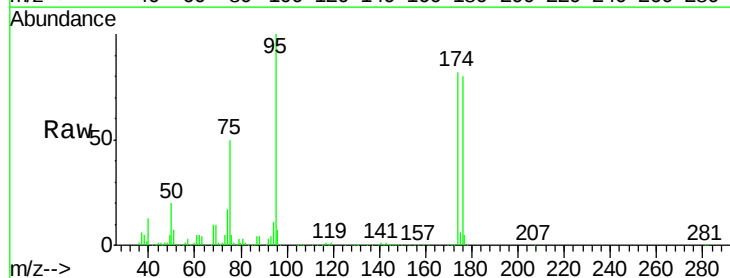
Tgt Ion: 75 Resp: 178958

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

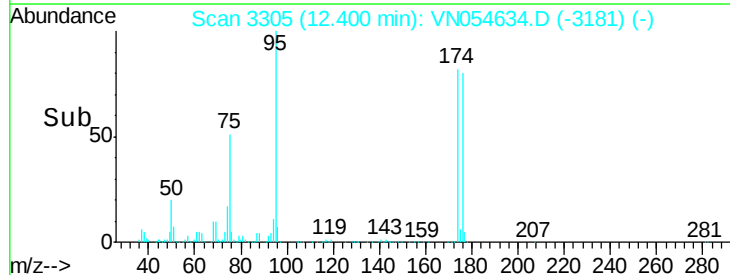
100000

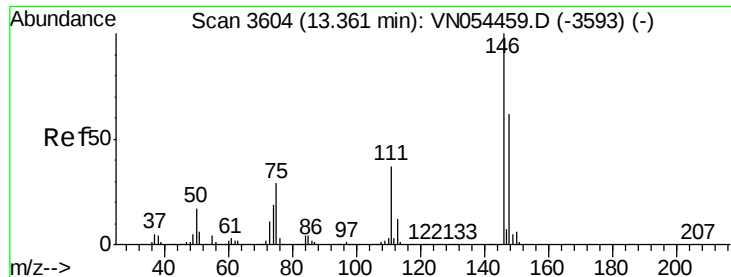
50000

0

12.35 12.40 12.45 12.50

Time-->

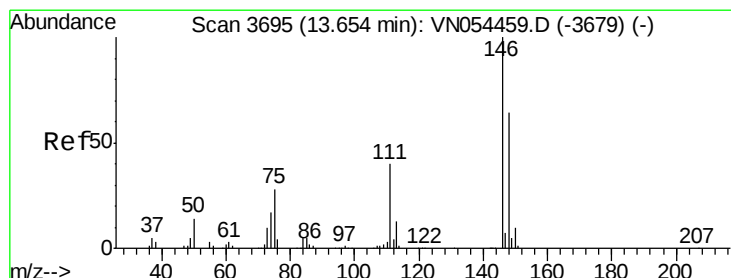
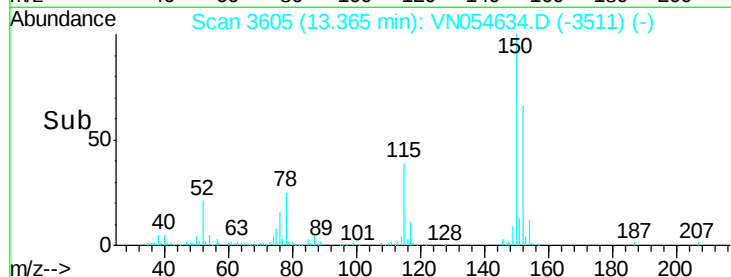
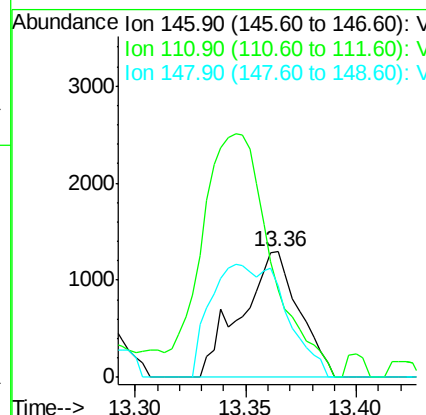
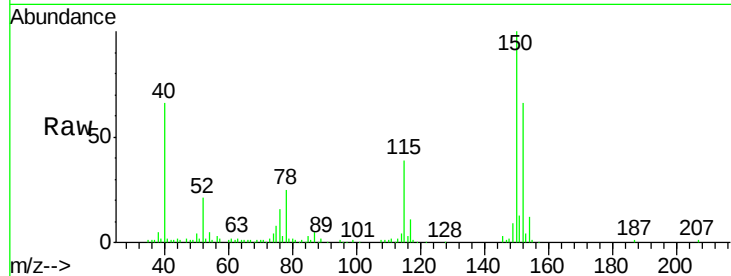




#88
 1,4-Dichlorobenzene
 Concen: 0.230 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054634.D
 Acq: 24 Mar 2019 5:43

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB433-190319-FD-(23-25)

Tot Ion:146 Resp: 2348
 Ion Ratio Lower Upper
 146 100
 111 232.2 18.1 54.1#
 148 71.4 32.0 96.0



#91
 1,2-Dichlorobenzene
 Concen: 0.245 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054634.D
 Acq: 24 Mar 2019 5:43

Tgt Ion:146 Resp: 2494
 Ion Ratio Lower Upper
 146 100
 111 51.6 19.1 57.3
 148 67.8 32.4 97.0

