

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\
 Data File : VN053505.D
 Acq On : 21 Jan 2019 14:30
 Operator : JC/SP
 Sample : K1013-02
 Misc : 5.00mL/MSVOA N/MEOH
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-01-011819-A

Quant Time: Jan 22 04:06:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	830342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1281643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1186315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	502736	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	414409	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
35) Dibromofluoromethane	7.59	113	380854	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
50) Toluene-d8	10.09	98	1601525	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.40	95	524825	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	

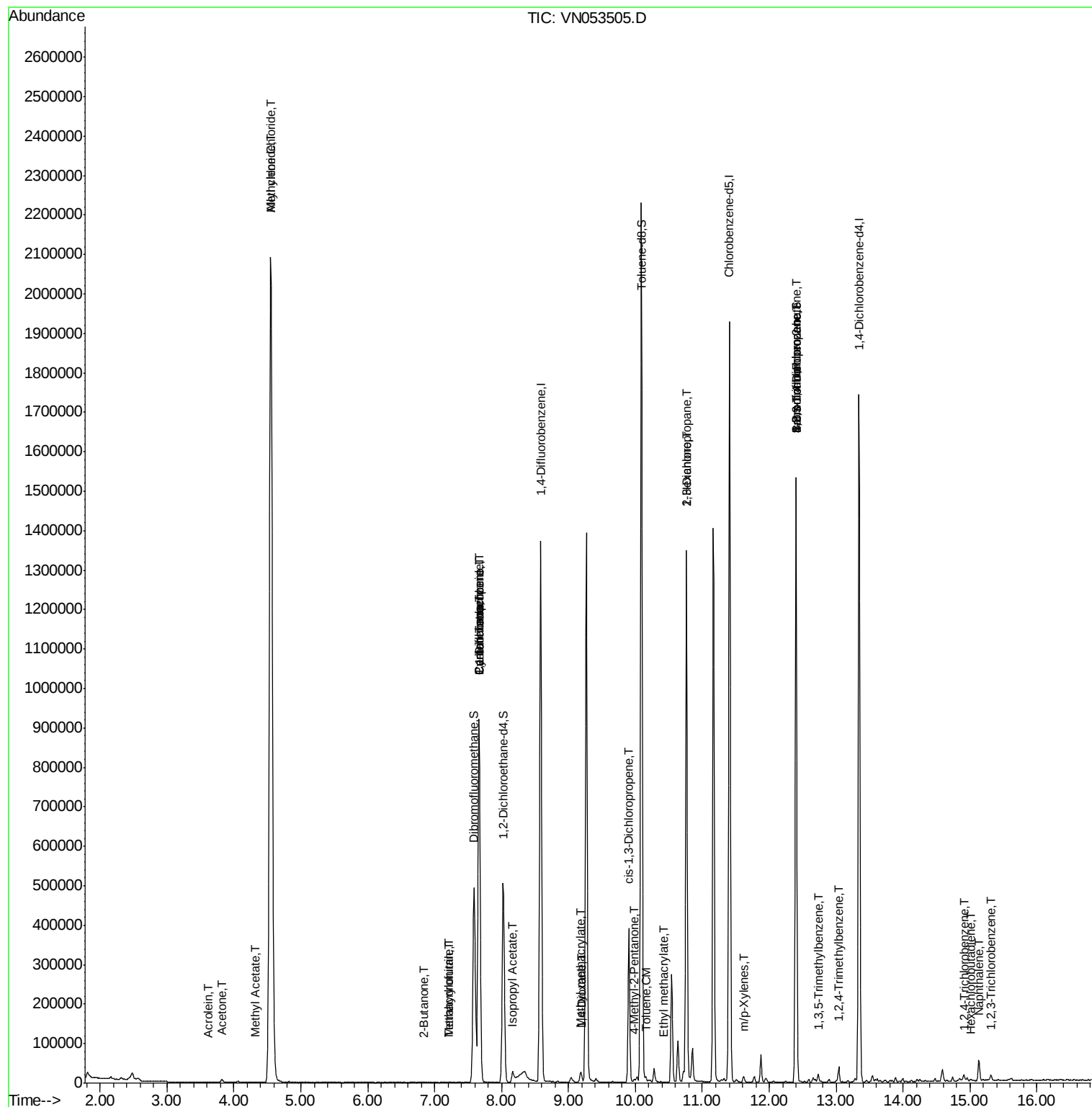
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	156	22.919	ug/l	85
14) Allyl chloride	4.55	41	60593	5.046	ug/l #	27
16) Acetone	3.82	43	12794	6.644	ug/l	96
18) Methyl Acetate	4.32	43	1597	0.246	ug/l #	51
20) Methylene Chloride	4.55	84	1657057	188.492	ug/l	99
25) 2-Butanone	6.83	43	955	0.322	ug/l	100
29) Tetrahydrofuran	7.21	42	952	0.493	ug/l #	74
31) Cyclohexane	7.66	56	13458	0.713	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	52651	4.511	ug/l #	44
38) Carbon Tetrachloride	7.66	117	71054	6.430	ug/l #	15
41) Methacrylonitrile	7.22	41	642	0.826	ug/l #	27
43) Isopropyl Acetate	8.17	43	33381	2.765	ug/l #	80
48) Methyl methacrylate	9.17	41	10140	1.626	ug/l #	12
49) 1,4-Dioxane	9.20	88	30	0.493	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	5039	0.764	ug/l	100
52) Toluene	10.15	92	4687	0.213	ug/l	89
54) cis-1,3-Dichloropropene	9.90	75	73033	5.415	ug/l #	63
56) Ethyl methacrylate	10.43	69	183	2.074	ug/l #	28
57) 1,3-Dichloropropane	10.76	76	14600	1.112	ug/l #	43
59) 2-Hexanone	10.76	43	189148	40.877	ug/l #	50
68) m/p-Xylenes	11.61	106	4685	0.290	ug/l	89
71) Bromoform	12.40	173	3611	0.600	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	244873	36.961	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	9973	0.333	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	244873	91.334	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	23393	0.775	ug/l	100
93) 1,2,4-Trichlorobenzene	14.91	180	5746	3.550	ug/l	97
94) Hexachlorobutadiene	15.01	225	1203	0.246	ug/l	89
95) Naphthalene	15.13	128	46478	7.462	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	5949	4.986	ug/l	93

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053505.D

Acq: 21 Jan 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

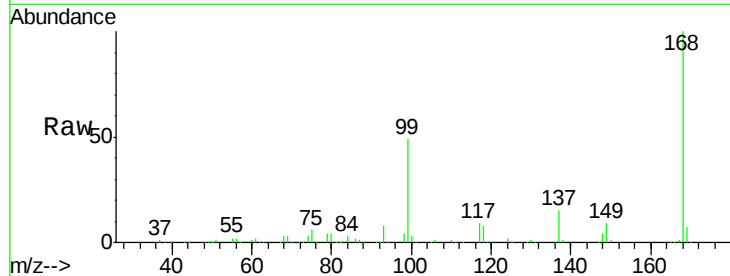
PL-01-011819-A

Tot Ion:168 Resp: 830342

Ion Ratio Lower Upper

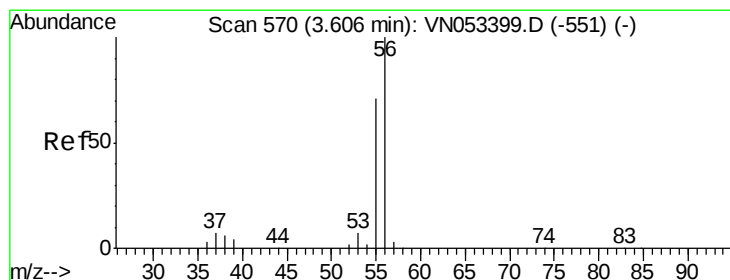
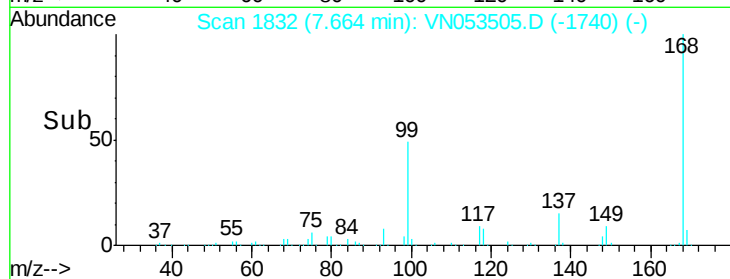
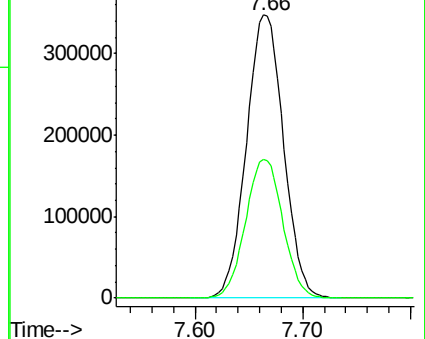
168 100

99 48.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#13

Acrolein

Concen: 22.919 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN053505.D

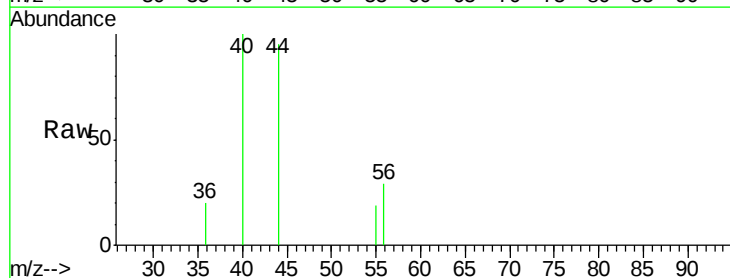
Acq: 21 Jan 2019 14:30

Tgt Ion: 56 Resp: 156

Ion Ratio Lower Upper

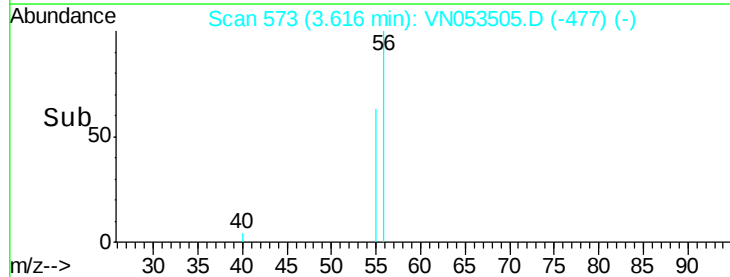
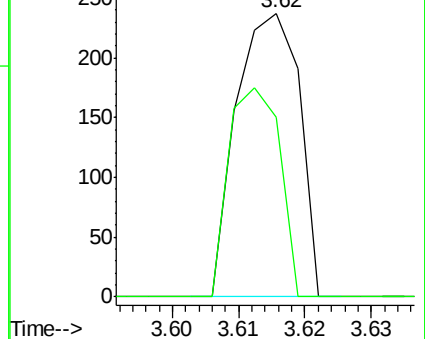
56 100

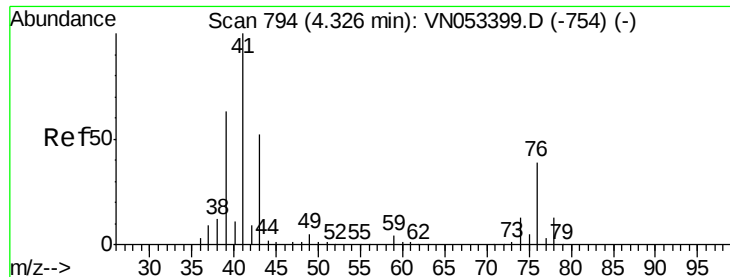
55 59.6 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO





#14

Allvl chloride

Concen: 5.046 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.23 min

Lab File: VN053505.D

Acq: 21 Jan 2019 14:30

Instrument :

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ClientSampleId :

PL-01-011819-A

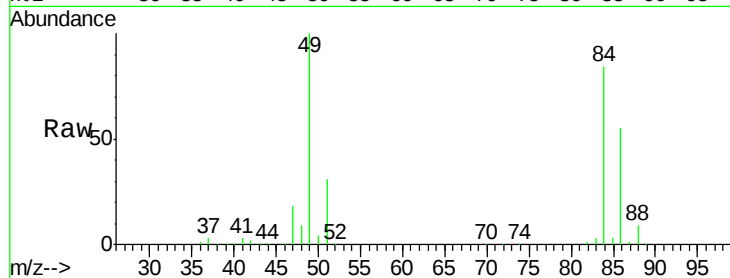
Tot Ion: 41 Resp: 60593

Ion Ratio Lower Upper

41 100

39 0.4 48.9 73.3#

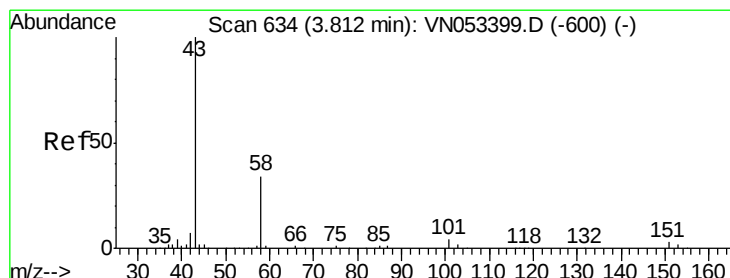
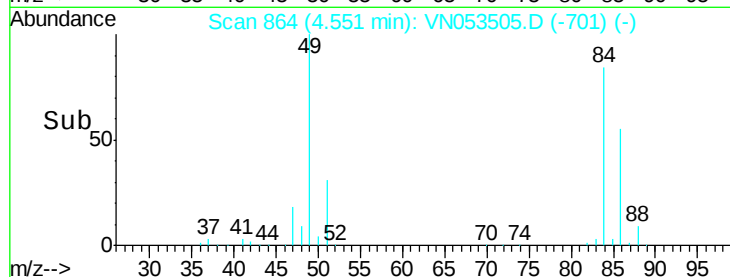
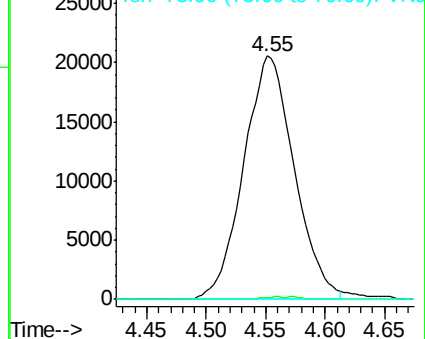
76 0.0 29.4 44.2#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: 6.644 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053505.D

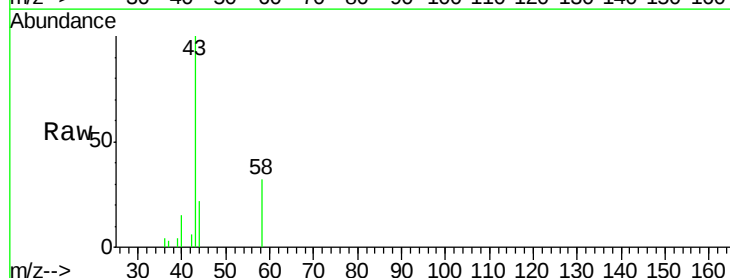
Acq: 21 Jan 2019 14:30

Tgt Ion: 43 Resp: 12794

Ion Ratio Lower Upper

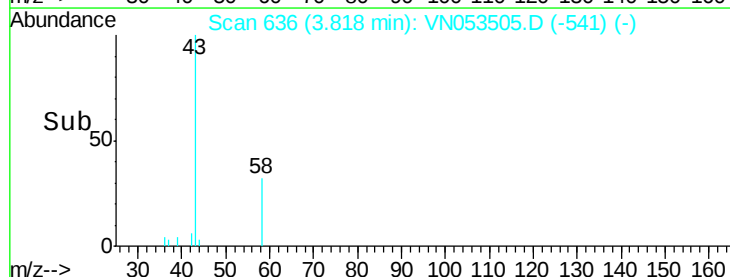
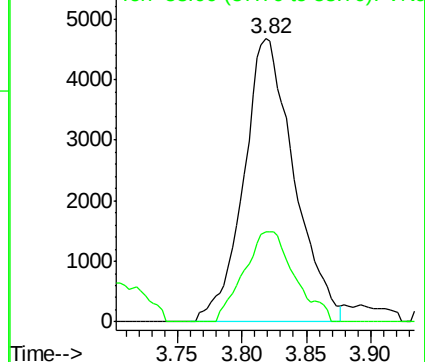
43 100

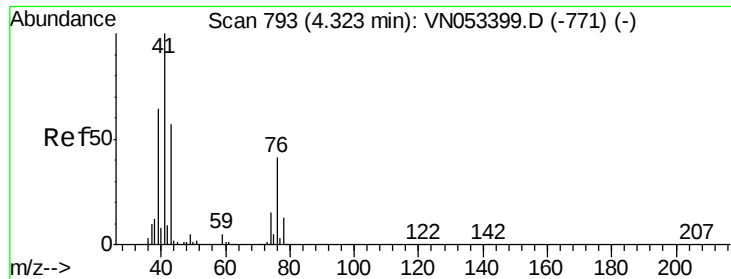
58 31.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

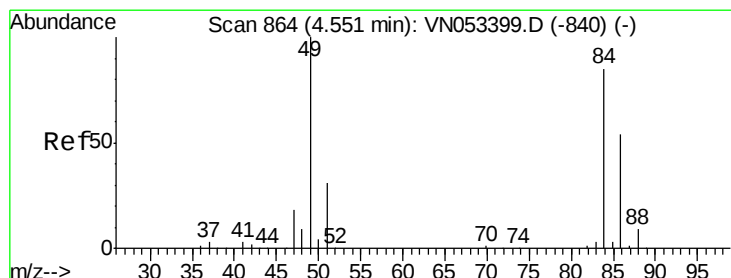
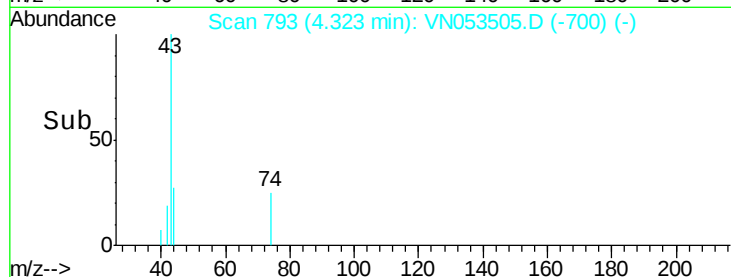
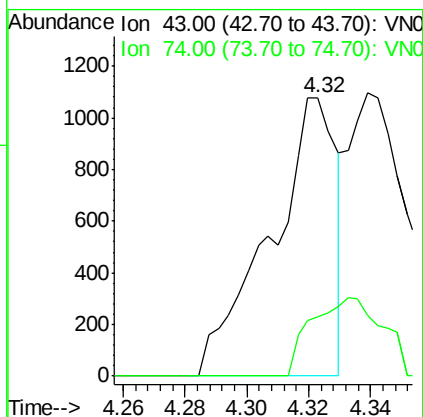
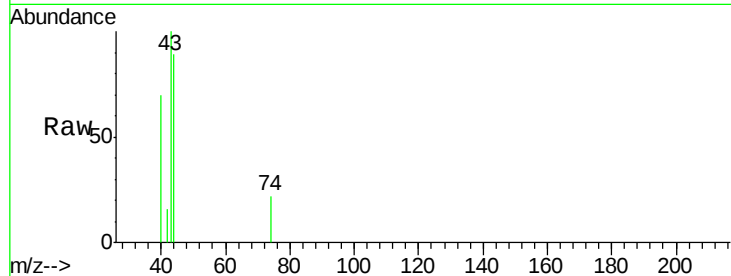




#18
Methyl Acetate
Concen: 0.246 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053505.D
Acq: 21 Jan 2019 14:30

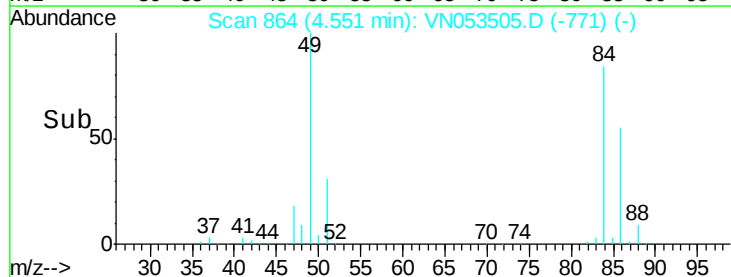
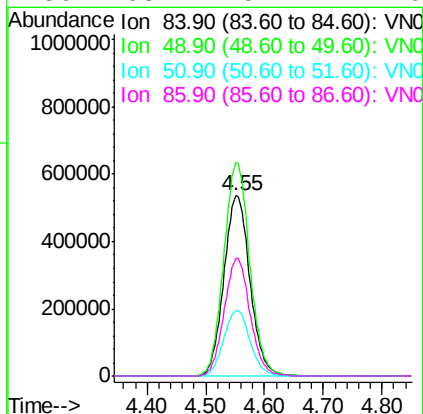
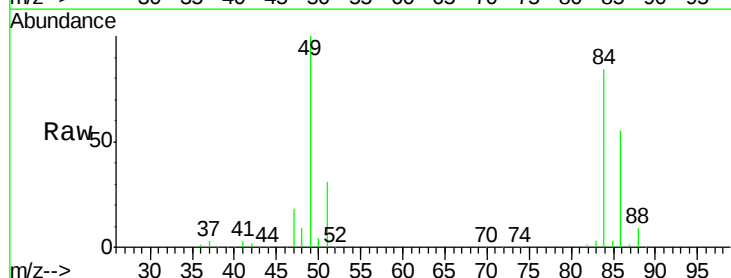
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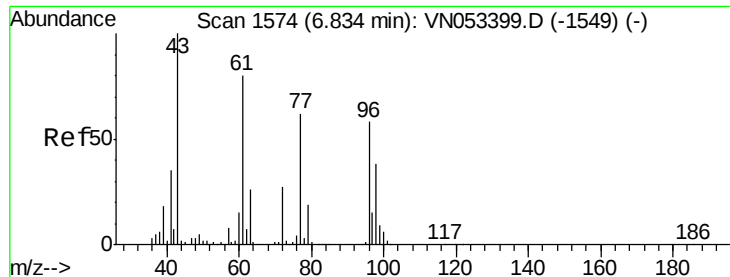
Tot Ion: 43 Resp: 1597
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 188.492 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053505.D
Acq: 21 Jan 2019 14:30

Tgt Ion: 84 Resp: 1657057
Ion Ratio Lower Upper
84 100
49 118.4 94.3 141.5
51 36.4 29.4 44.2
86 65.1 51.4 77.0

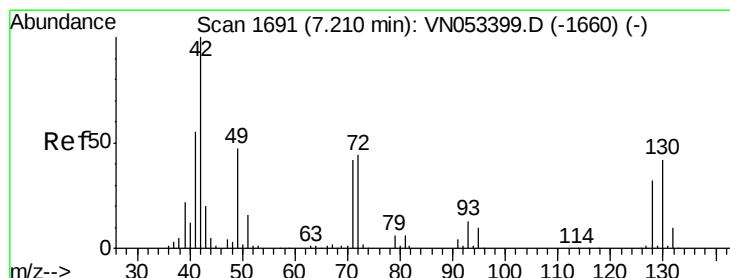
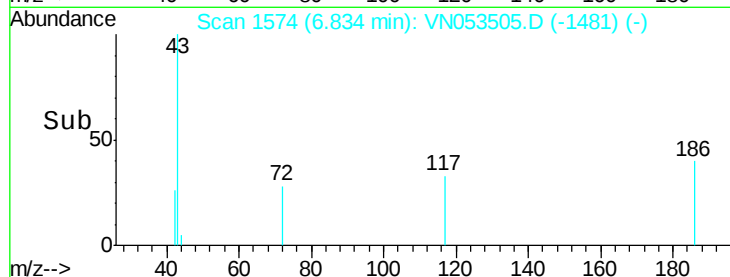
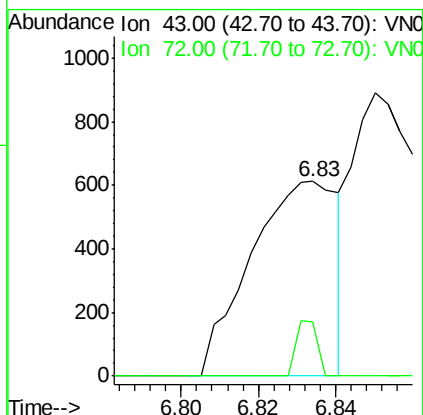
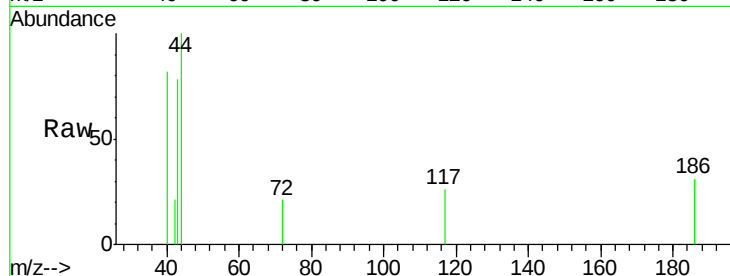




#25
2-Butanone
Concen: 0.322 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN053505.D
Acq: 21 Jan 2019 14:30

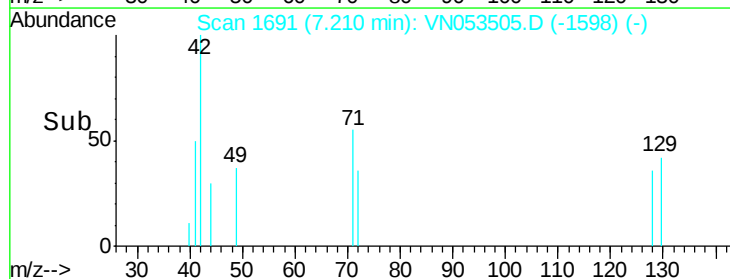
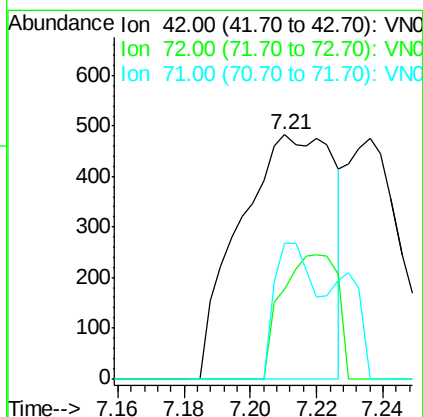
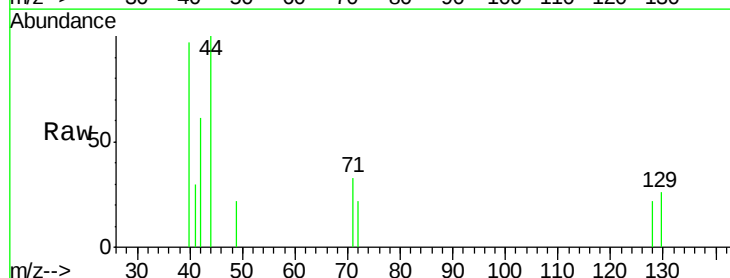
Instrument :
MSVOA_N
ClientSampleId :
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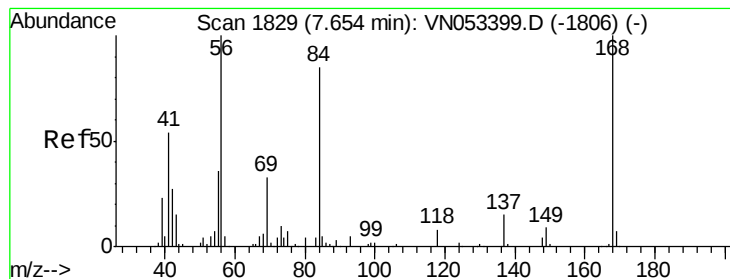
Tot Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
72 27.6 22.0 33.0



#29
Tetrahydrofuran
Concen: 0.493 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053505.D
Acq: 21 Jan 2019 14:30

Tgt Ion: 42 Resp: 952
Ion Ratio Lower Upper
42 100
72 30.0 35.2 52.8#
71 22.4 33.0 49.4#





#31

Cyclohexane

Concen: 0.713 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN053505.D

Acq: 21 Jan 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

PL-01-011819-A

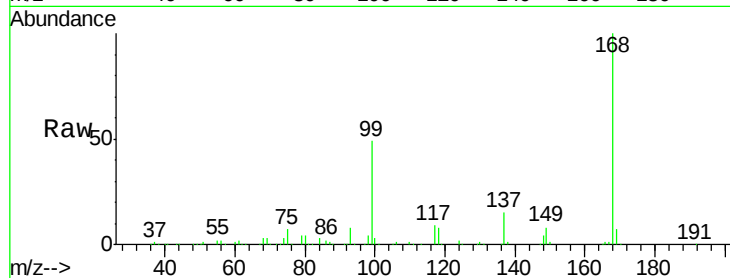
Tot Ion: 56 Resp: 13458

Ion Ratio Lower Upper

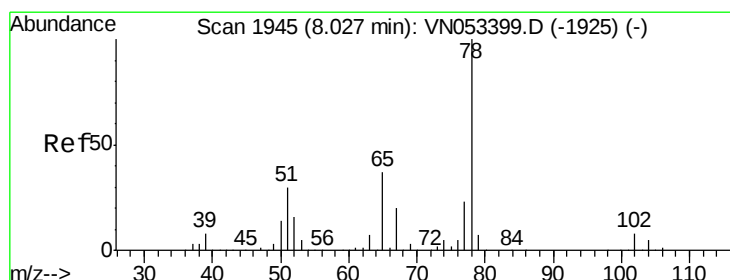
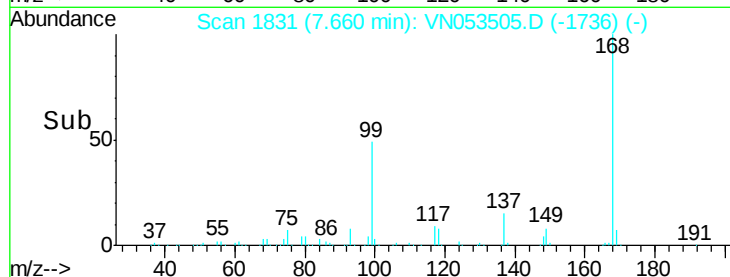
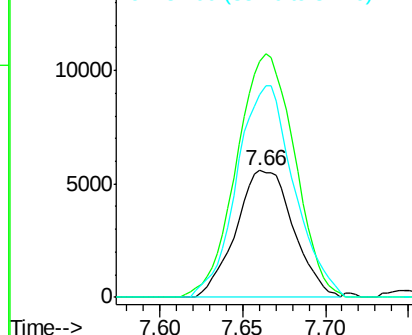
56 100

69 183.1 26.4 39.6#

84 159.7 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053505.D

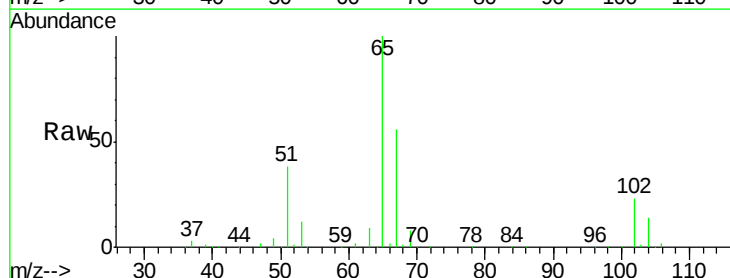
Acq: 21 Jan 2019 14:30

Tgt Ion: 65 Resp: 414409

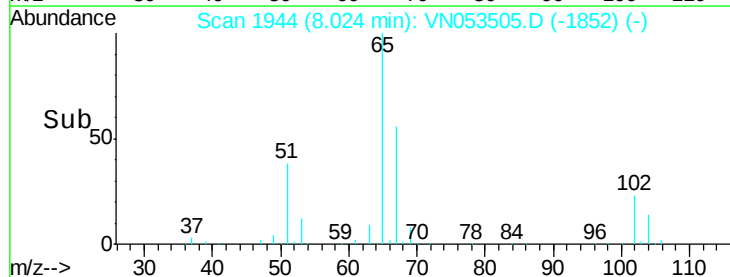
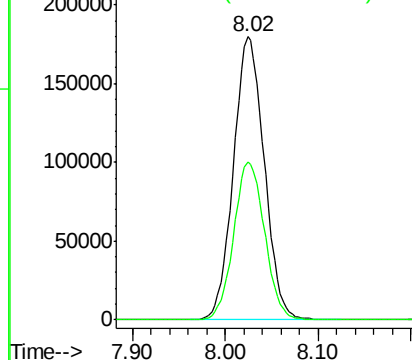
Ion Ratio Lower Upper

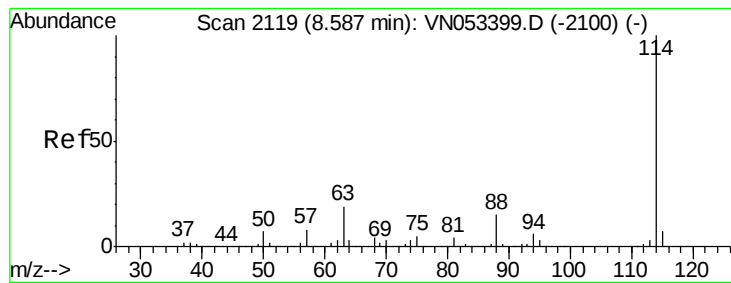
65 100

67 55.8 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN053505.D

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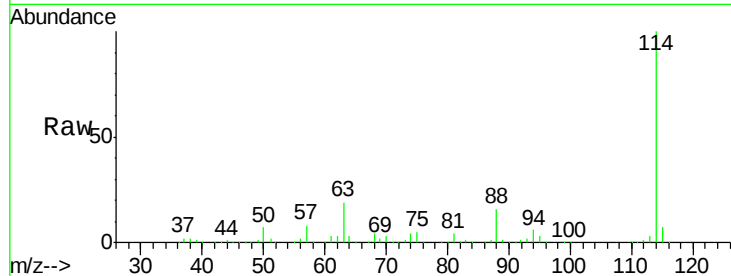
Tot Ion:114 Resp: 1281643

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.6

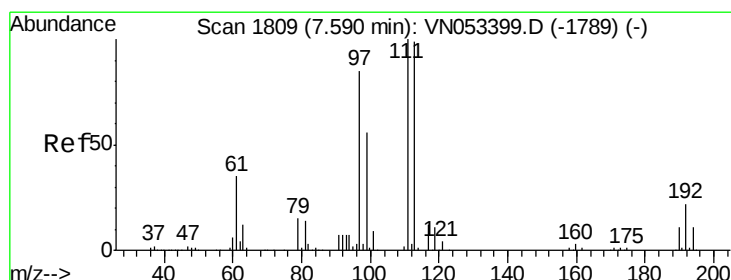
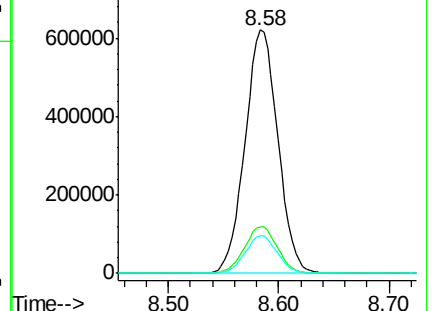
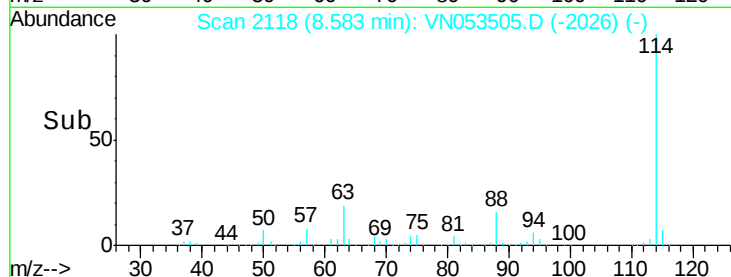
88 15.5 0.0 30.4



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: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053505.D

Acq: 21 Jan 2019 14:30

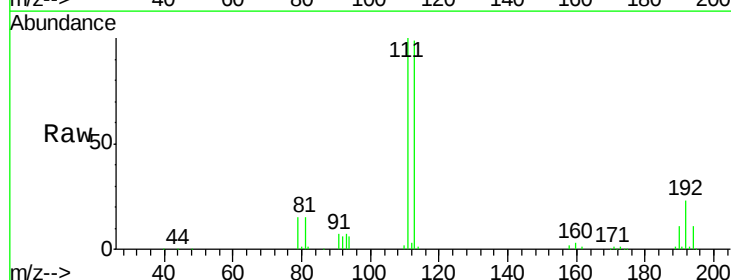
Tgt Ion:113 Resp: 380854

Ion Ratio Lower Upper

113 100

111 101.4 81.1 121.7

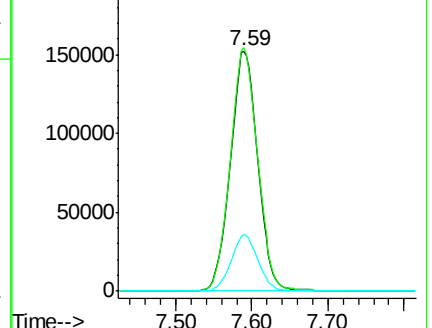
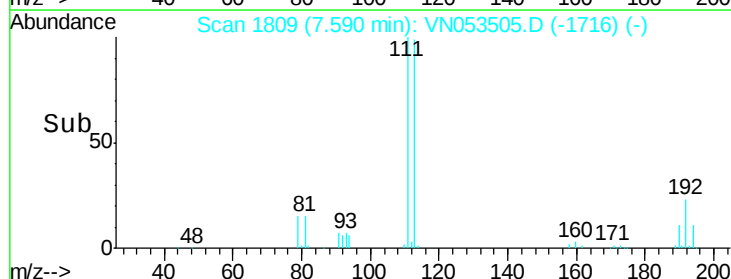
192 23.0 18.2 27.2

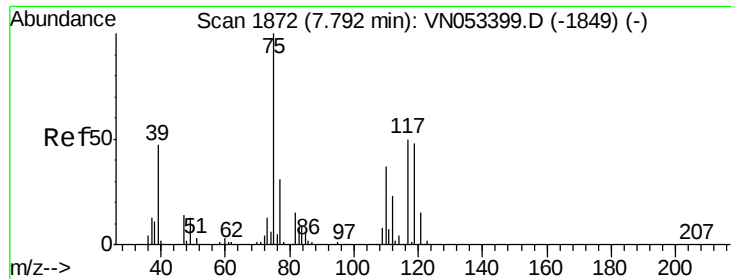


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.511 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN053505.D

Acq: 21 Jan 2019 14:30

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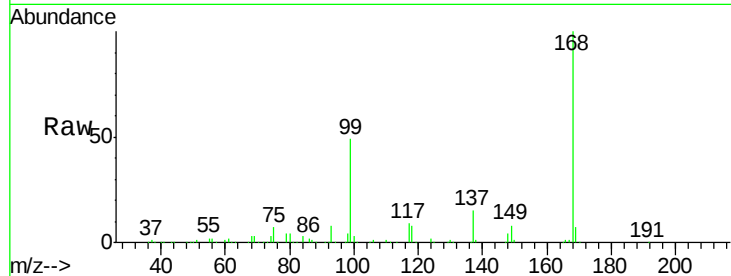
Tot Ion: 75 Resp: 52651

Ion Ratio Lower Upper

75 100

110 3.7 18.1 54.3#

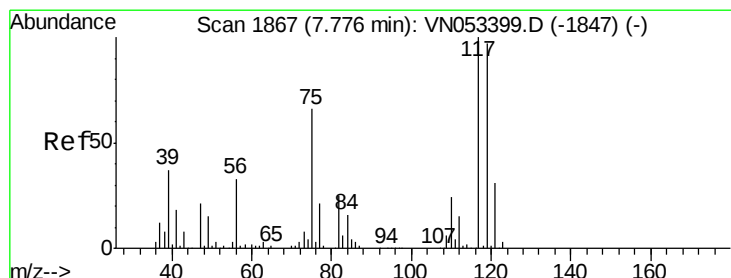
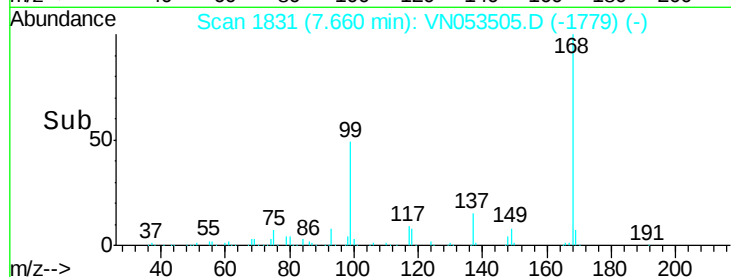
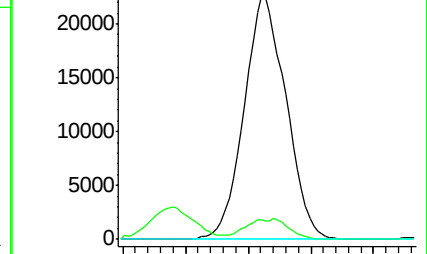
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN053399.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN053399.D (-1849) (-)



#38

Carbon Tetrachloride

Concen: 6.430 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053505.D

Acq: 21 Jan 2019 14:30

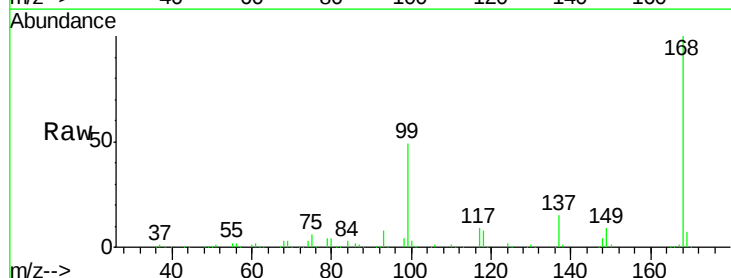
Tgt Ion: 117 Resp: 71054

Ion Ratio Lower Upper

117 100

119 4.6 77.2 115.8#

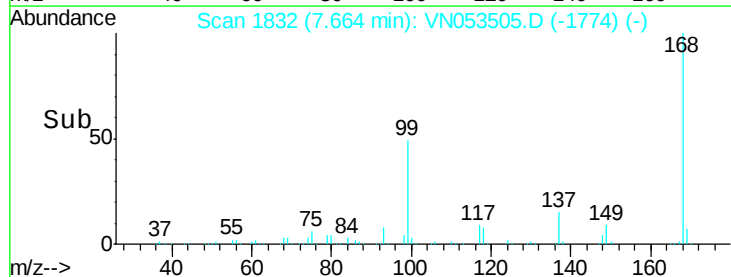
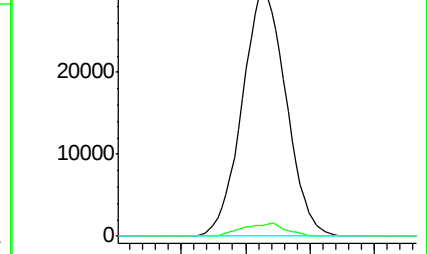
121 0.0 24.6 37.0#

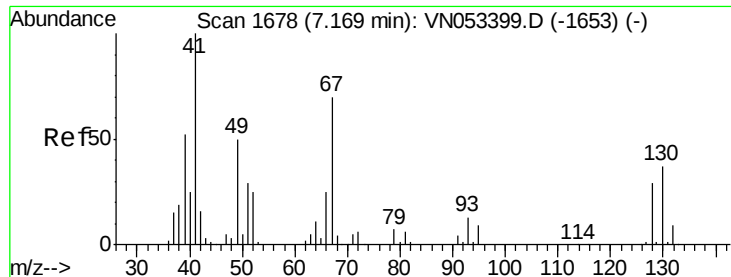


Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN053399.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN053399.D (-1847) (-)

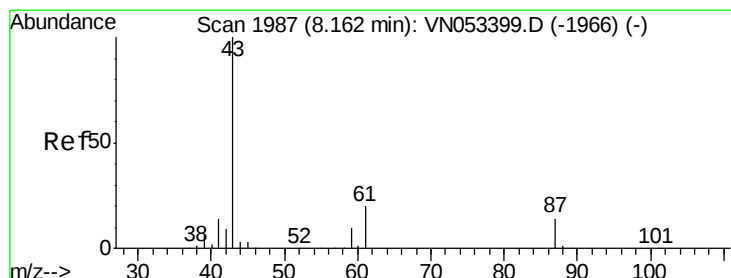
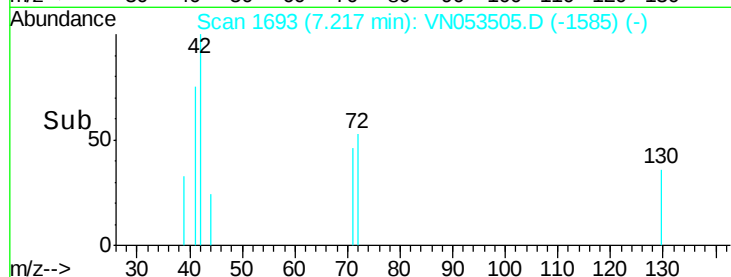
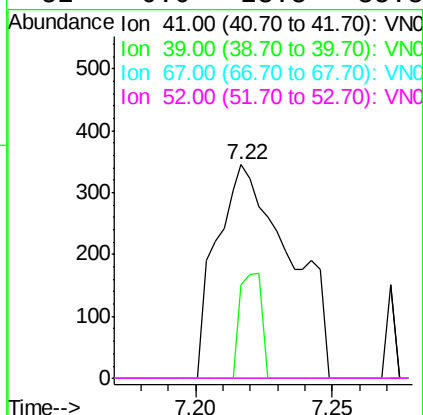
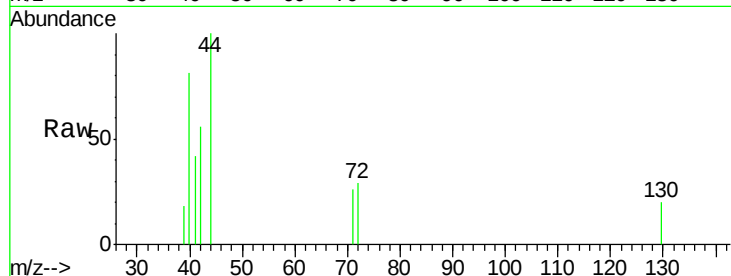




#41
Methacrylonitrile
Concen: 0.826 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.05 min
Lab File: VN053505.D
Acq: 21 Jan 2019 14:30

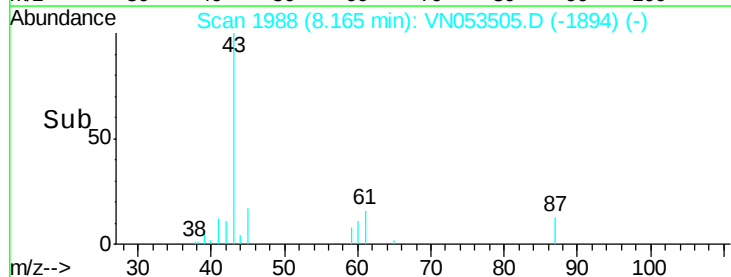
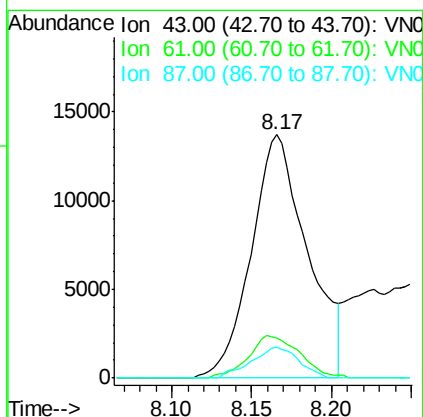
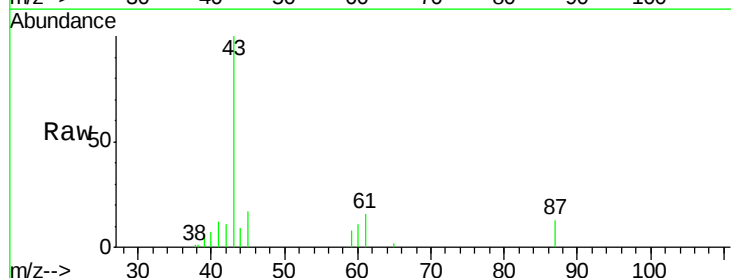
Instrument :
MSVOA_N
ClientSampleId :
PL-01-011819-A

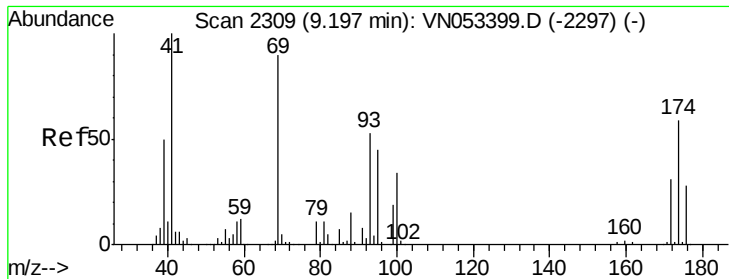
Tot Ion: 41 Resp: 642
Ion Ratio Lower Upper
41 100
39 14.6 46.8 70.2#
67 0.0 63.0 94.6#
52 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 2.765 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053505.D
Acq: 21 Jan 2019 14:30

Tgt Ion: 43 Resp: 33381
Ion Ratio Lower Upper
43 100
61 16.0 23.9 35.9#
87 10.7 11.0 16.6#

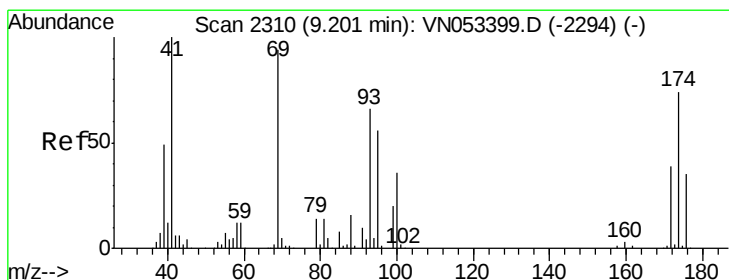
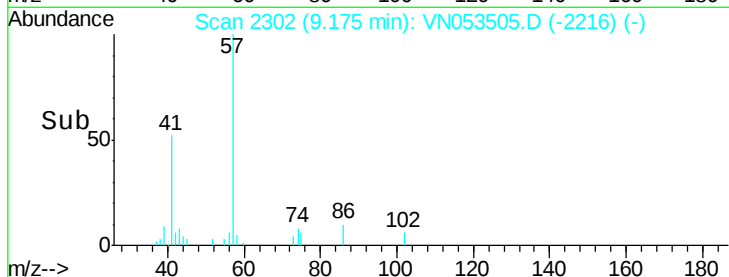
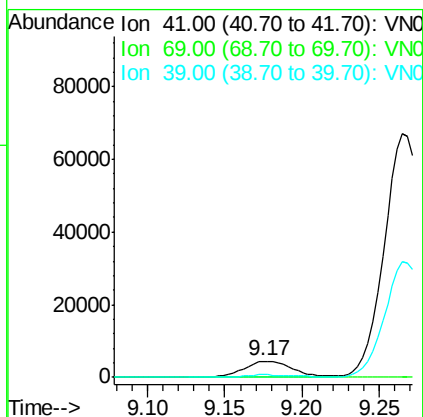
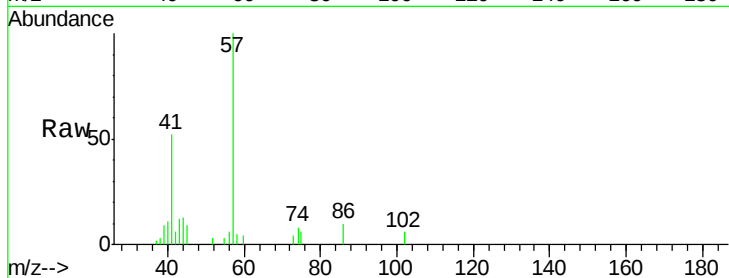




#48
Methyl methacrylate
Concen: 1.626 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN053505.D
Acq: 21 Jan 2019 14:30

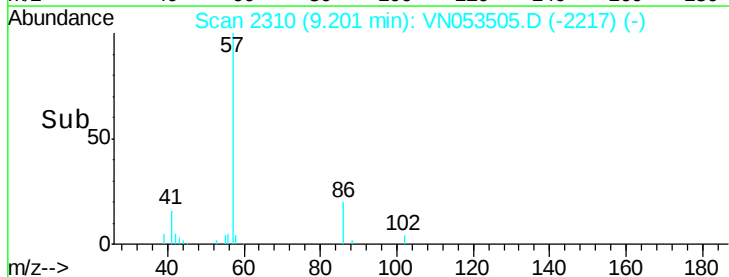
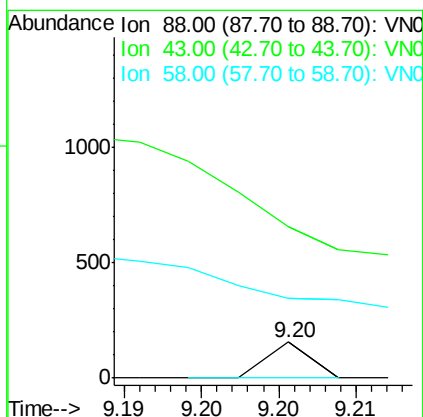
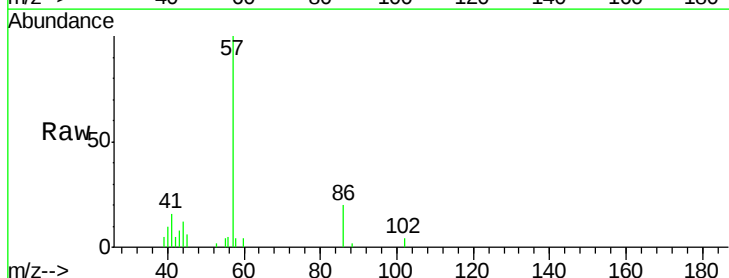
Instrument :
MSVOA_N
ClientSampled :
PL-01-011819-A

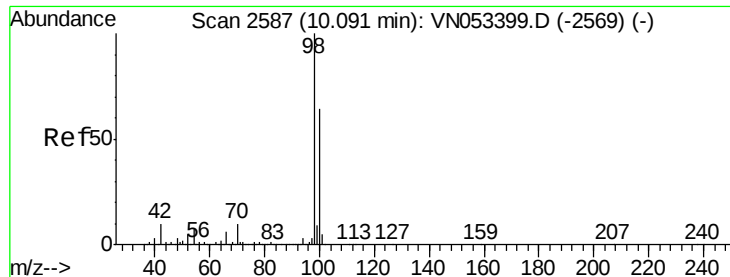
Tot Ion: 41 Resp: 10140
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 0.0 40.0 60.0#



#49
1,4-Dioxane
Concen: 0.493 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN053505.D
Acq: 21 Jan 2019 14:30

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.6#
58 3203.3 56.5 84.7#





#50

Toluene-d8

Concen: 0.493 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053505.D

Acq: 21 Jan 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

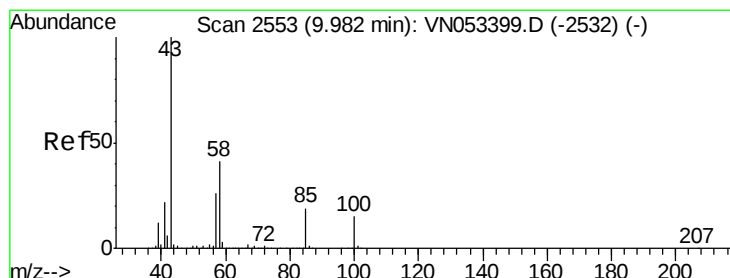
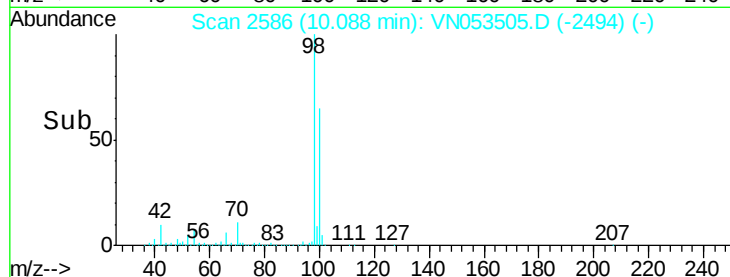
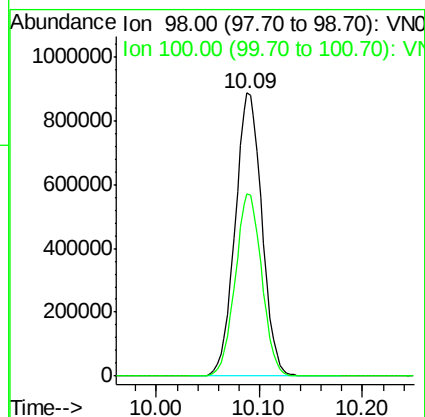
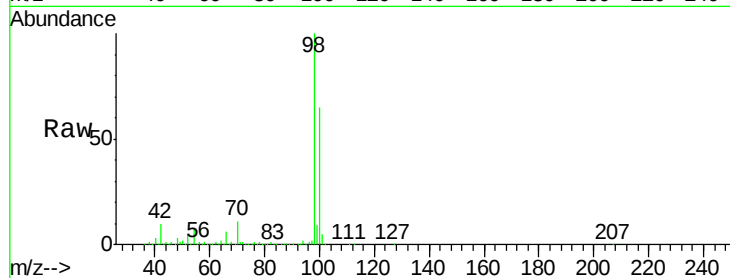
PL-01-011819-A

Tot Ion: 98 Resp: 1601525

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.764 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053505.D

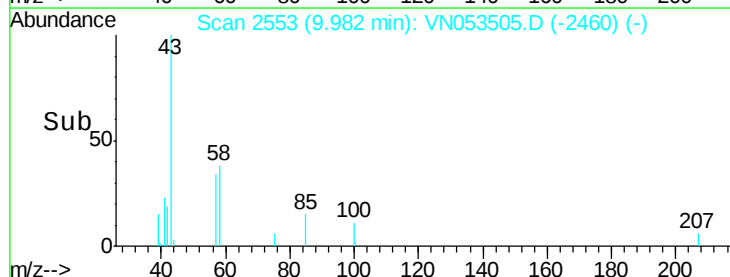
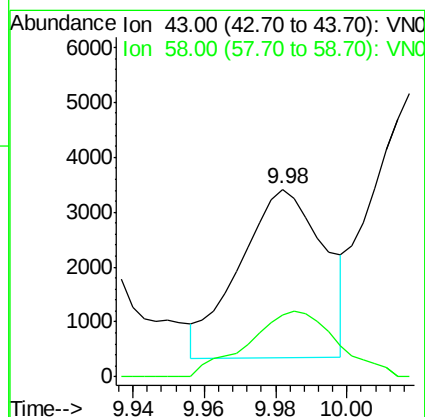
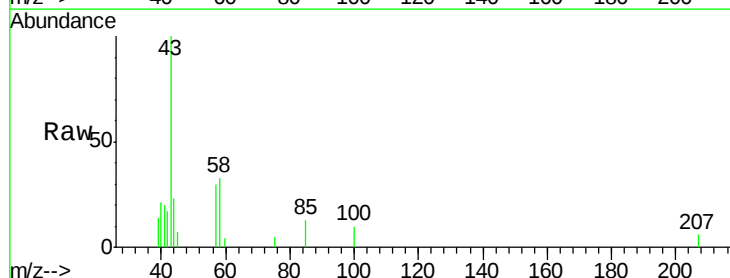
Acq: 21 Jan 2019 14:30

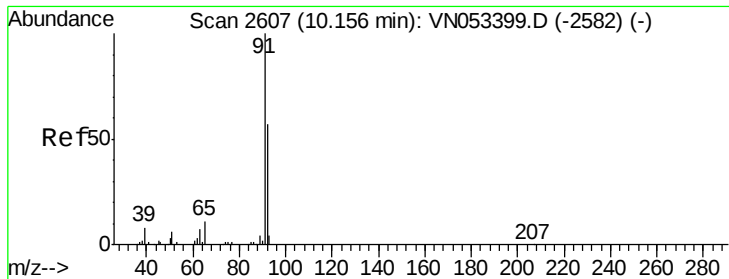
Tgt Ion: 43 Resp: 5039

Ion Ratio Lower Upper

43 100

58 41.0 32.8 49.2





#52

Toluene

Concen: 0.213 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053505.D

Acq: 21 Jan 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

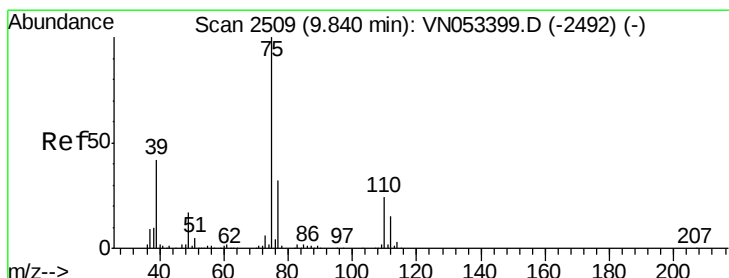
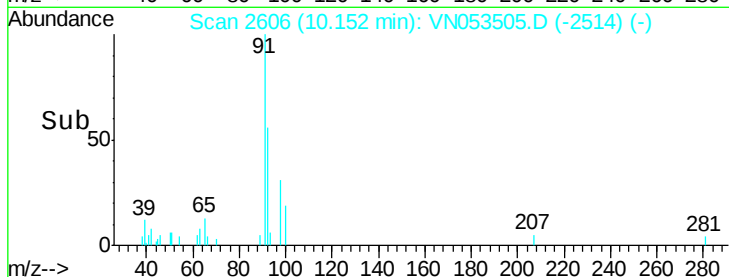
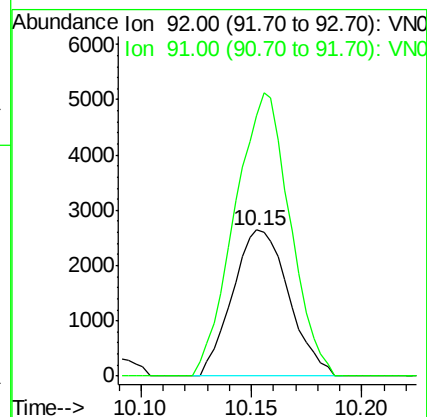
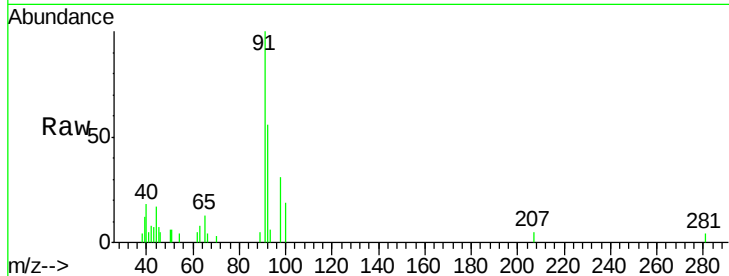
PL-01-011819-A

Tot Ion: 92 Resp: 4687

Ion Ratio Lower Upper

92 100

91 190.3 139.9 209.9



#54

cis-1,3-Dichloropropene

Concen: 5.415 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.06 min

Lab File: VN053505.D

Acq: 21 Jan 2019 14:30

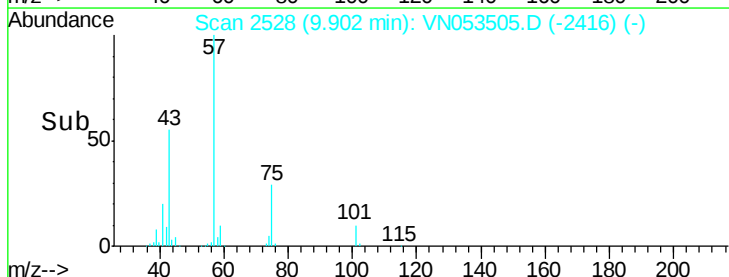
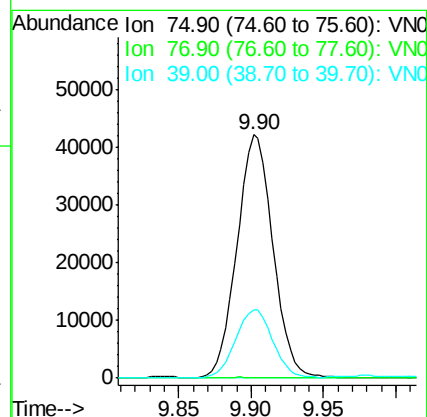
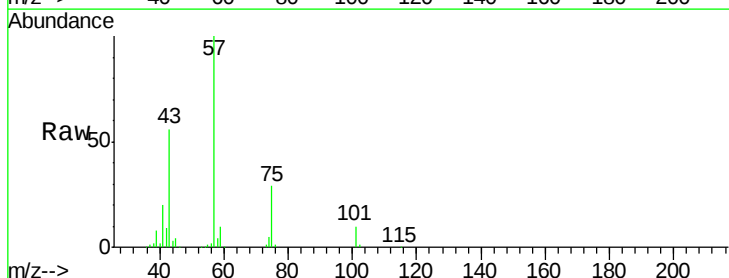
Tgt Ion: 75 Resp: 73033

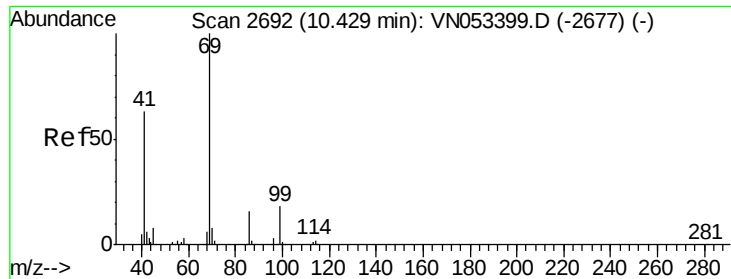
Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.6#

39 28.0 33.4 50.0#





#56

Ethyl methacrylate

Concen: 2.074 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053505.D

Acq: 21 Jan 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

PL-01-011819-A

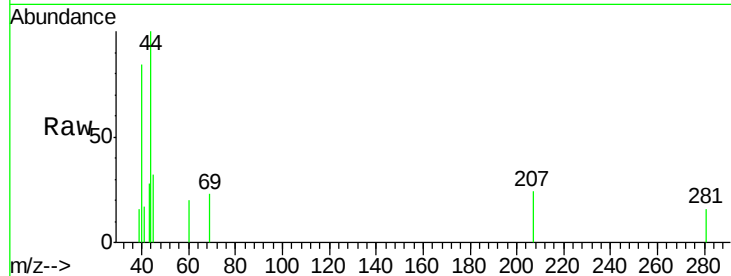
Tot Ion: 69 Resp: 183

Ion Ratio Lower Upper

69 100

41 0.0 49.4 74.0#

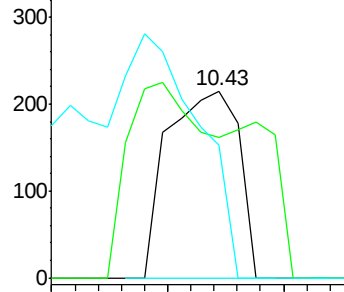
39 0.0 23.3 34.9#



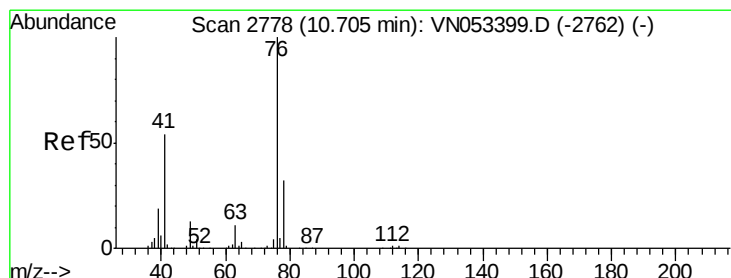
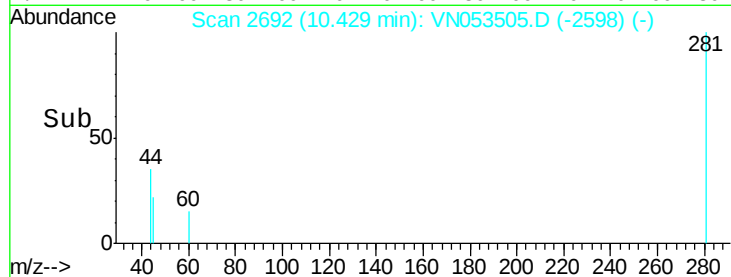
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time--> 10.40 10.42 10.44



#57

1,3-Dichloropropane

Concen: 1.112 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN053505.D

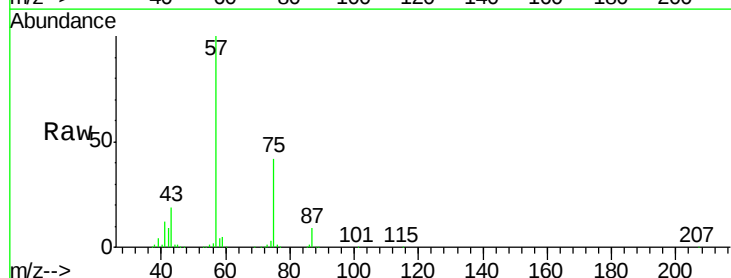
Acq: 21 Jan 2019 14:30

Tgt Ion: 76 Resp: 14600

Ion Ratio Lower Upper

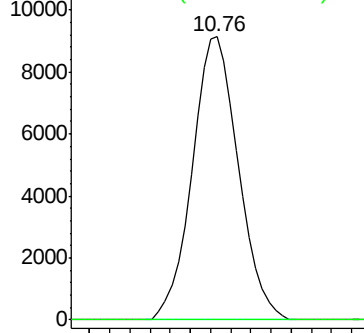
76 100

78 0.0 25.6 38.4#

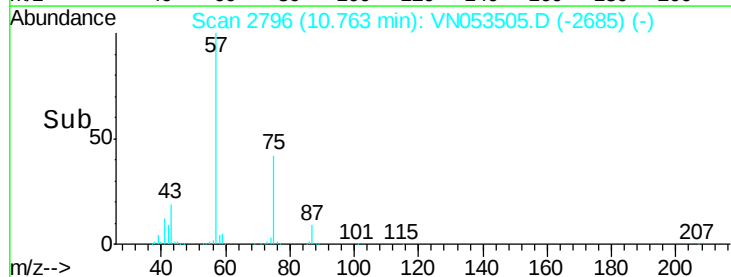


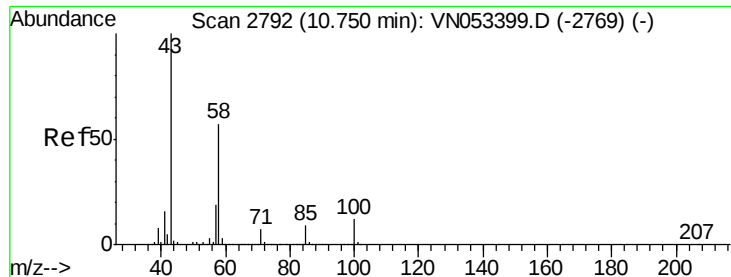
Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time--> 10.70 10.75 10.80

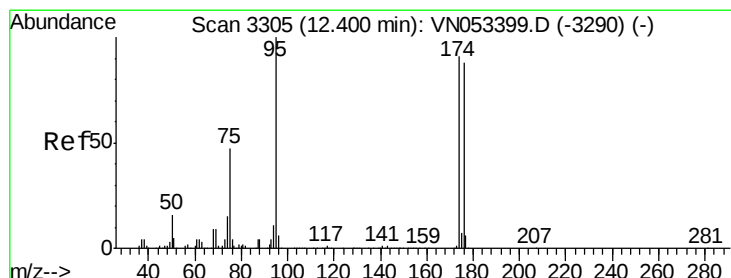
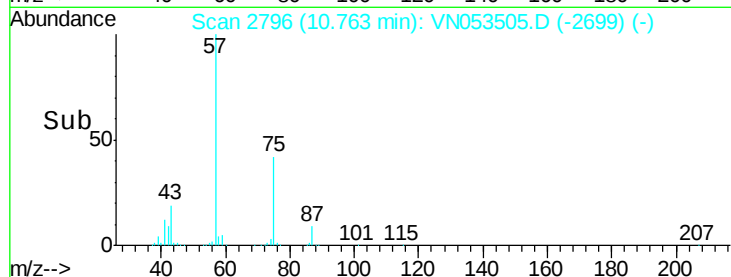
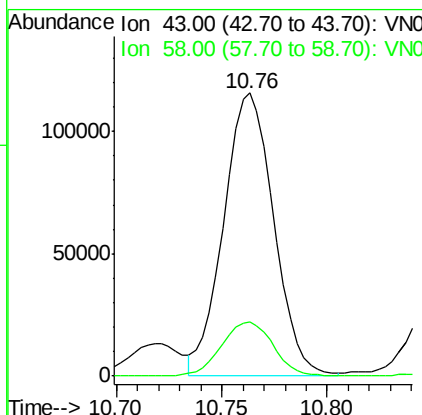
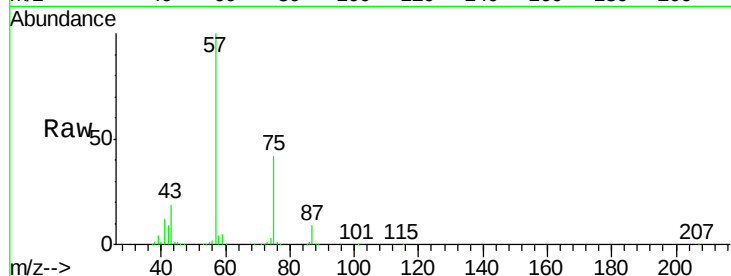




#59
2-Hexanone
Concen: 40.877 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053505.D
Acq: 21 Jan 2019 14:30

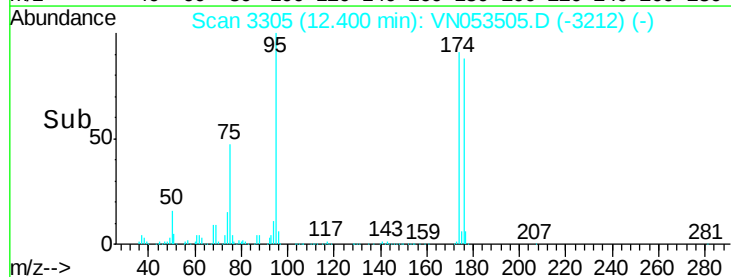
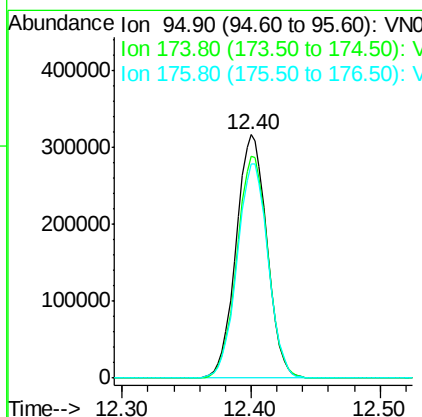
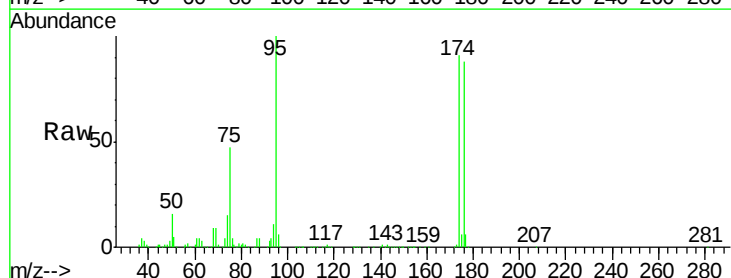
Instrument :
MSVOA_N
ClientSampled :
PL-01-011819-A

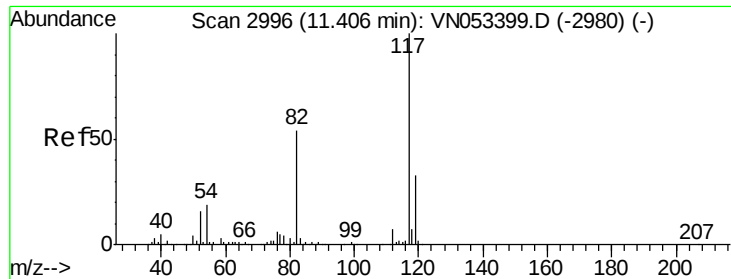
Tot Ion: 43 Resp: 189148
Ion Ratio Lower Upper
43 100
58 19.9 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053505.D
Acq: 21 Jan 2019 14:30

Tgt Ion: 95 Resp: 524825
Ion Ratio Lower Upper
95 100
174 91.8 0.0 183.2
176 88.6 0.0 177.4

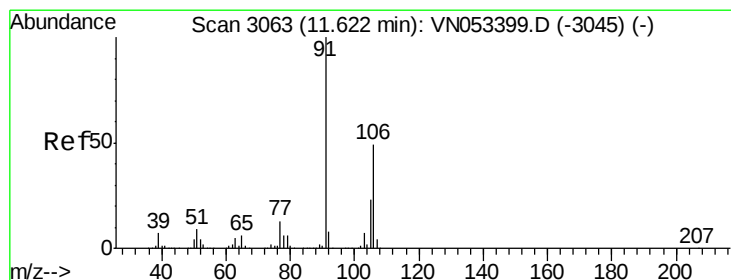
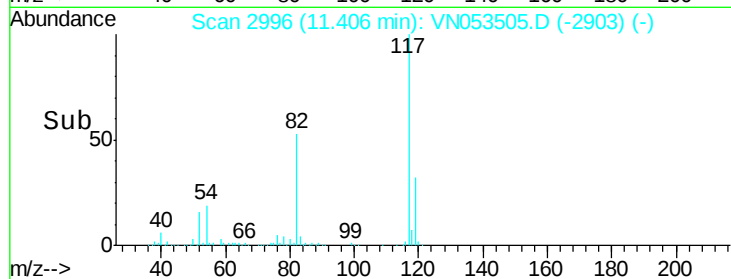
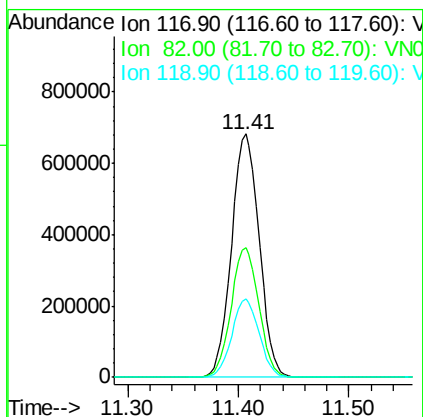
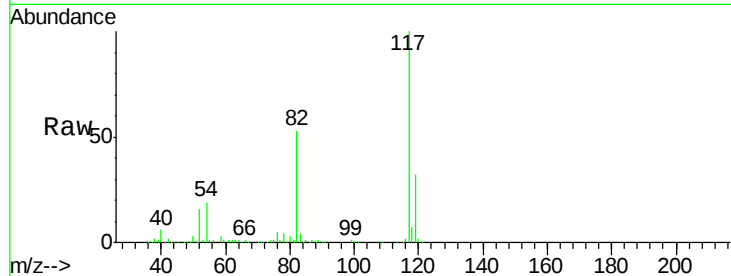




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053505.D
Acq: 21 Jan 2019 14:30

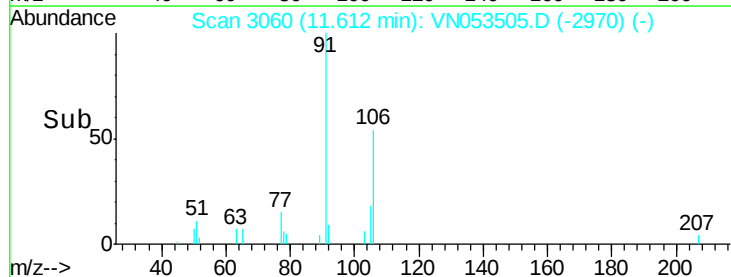
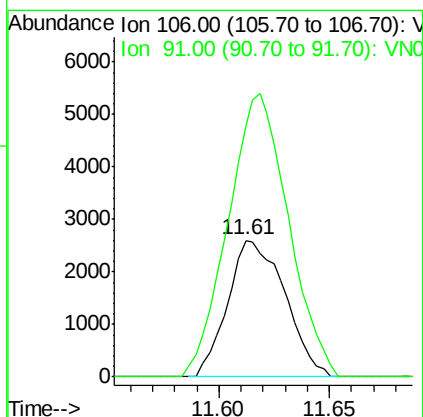
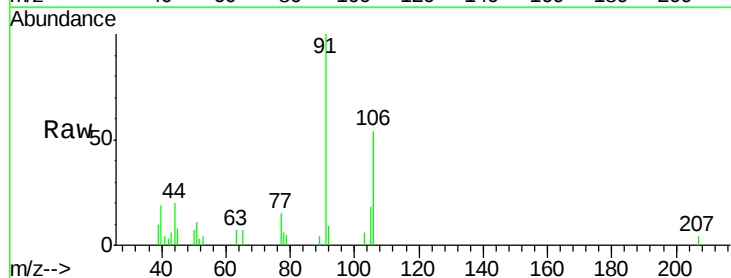
Instrument :
MSVOA_N
ClientSampled :
PL-01-011819-A

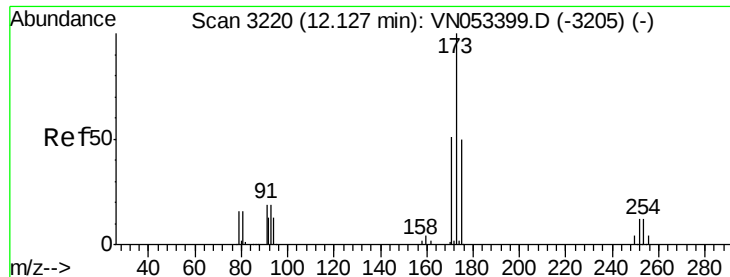
Tot Ion:117 Resp: 1186315
Ion Ratio Lower Upper
117 100
82 53.3 42.9 64.3
119 32.0 26.0 39.0



#68
m/p-Xylenes
Concen: 0.290 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.01 min
Lab File: VN053505.D
Acq: 21 Jan 2019 14:30

Tgt Ion:106 Resp: 4685
Ion Ratio Lower Upper
106 100
91 218.9 161.4 242.2





#71

Bromoform

Concen: 0.600 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053505.D

Acq: 21 Jan 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

PL-01-011819-A

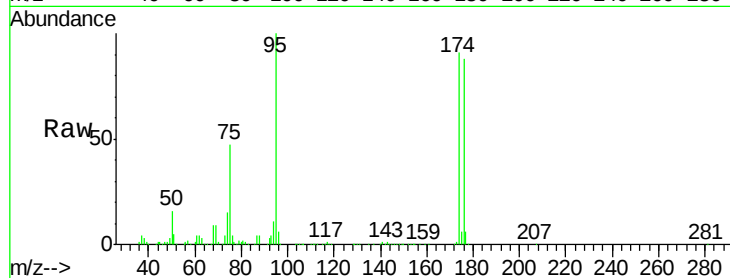
Tot Ion:173 Resp: 3611

Ion Ratio Lower Upper

173 100

175 862.9 24.6 74.0#

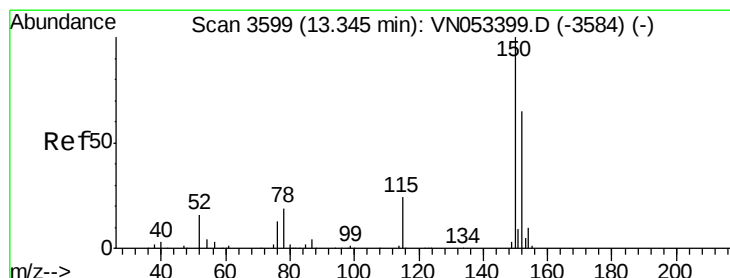
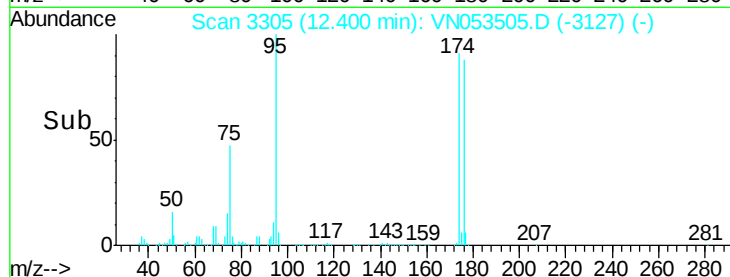
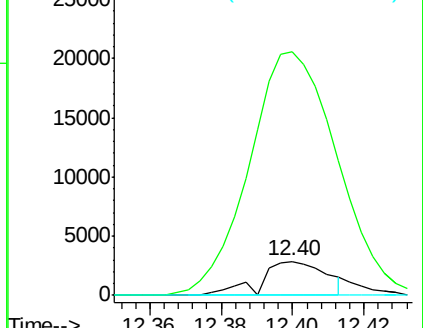
254 0.0 0.2 0.2#



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: VN053505.D

Acq: 21 Jan 2019 14:30

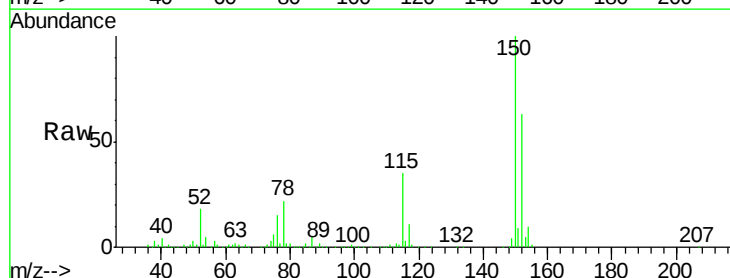
Tgt Ion:152 Resp: 502736

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.4

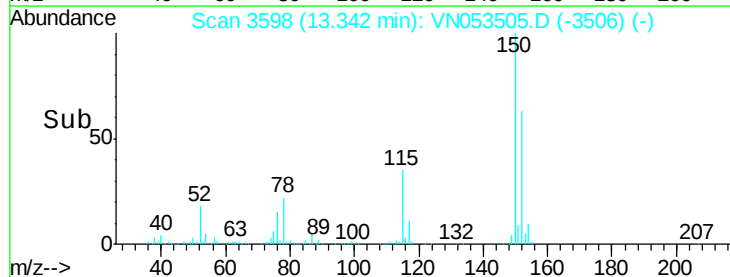
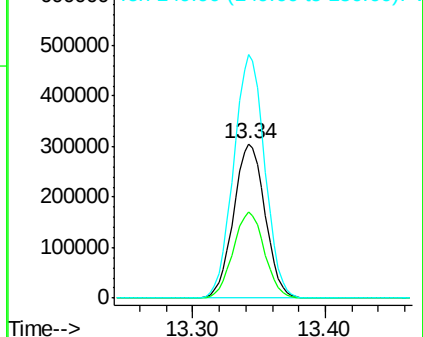
150 156.1 0.0 349.0

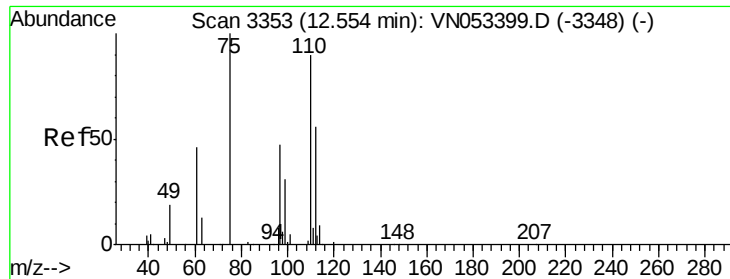


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 36.961 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053505.D

Acq: 21 Jan 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

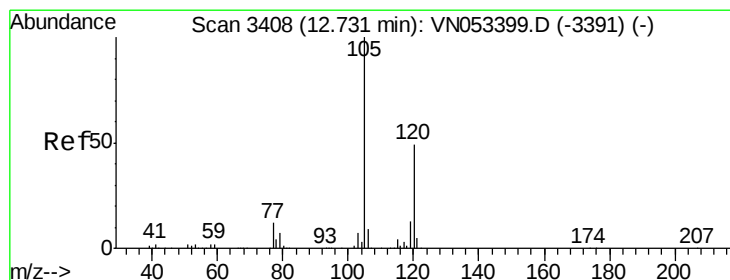
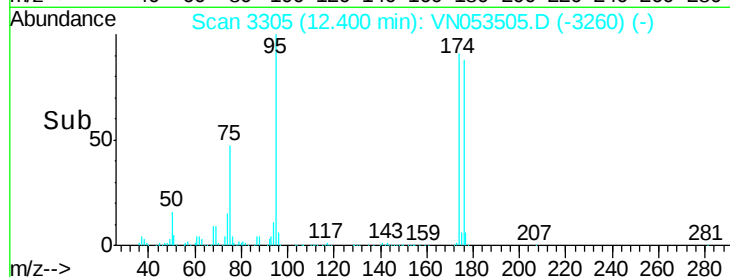
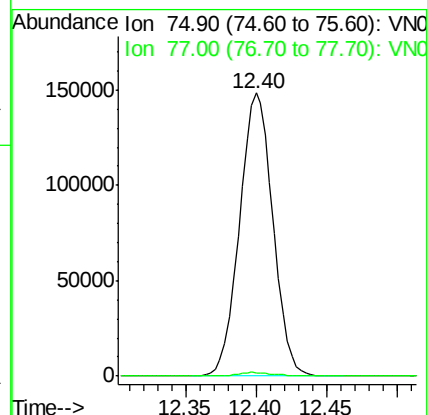
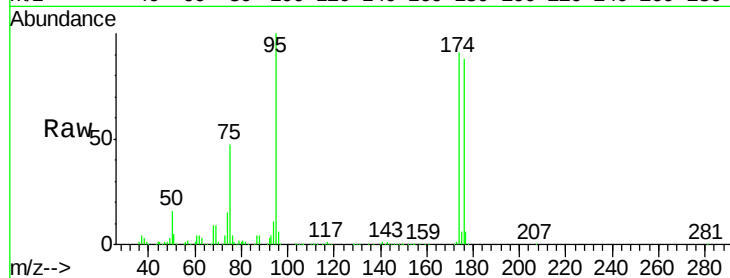
PL-01-011819-A

Tot Ion: 75 Resp: 244873

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.333 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053505.D

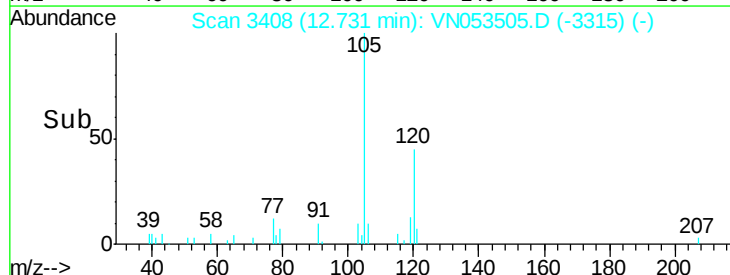
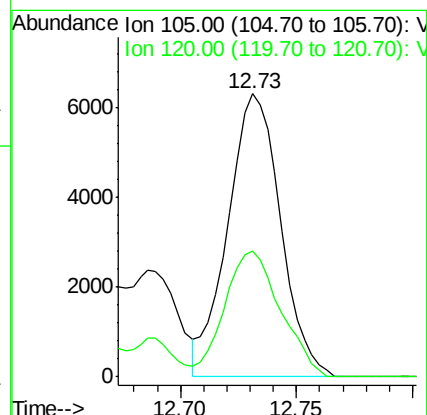
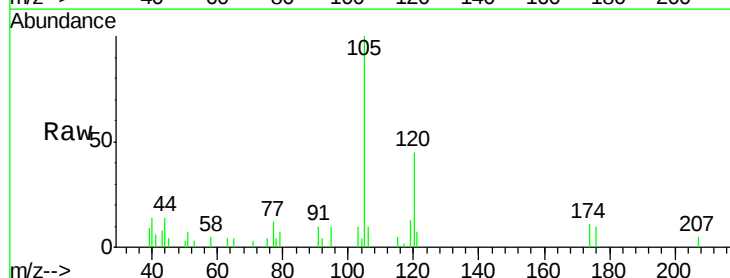
Acq: 21 Jan 2019 14:30

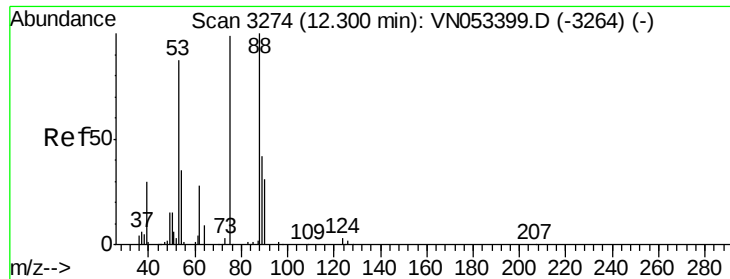
Tgt Ion: 105 Resp: 9973

Ion Ratio Lower Upper

105 100

120 47.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 91.334 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053505.D

Acq: 21 Jan 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

PL-01-011819-A

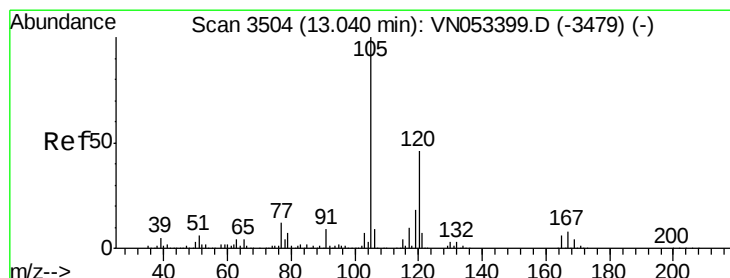
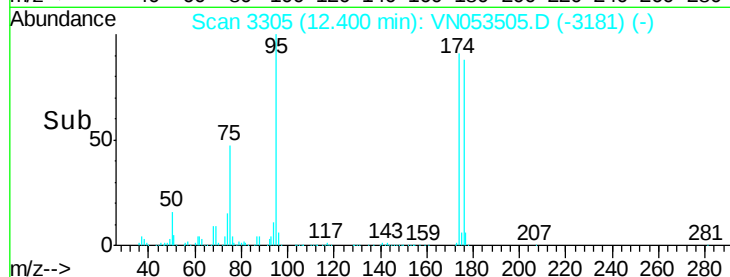
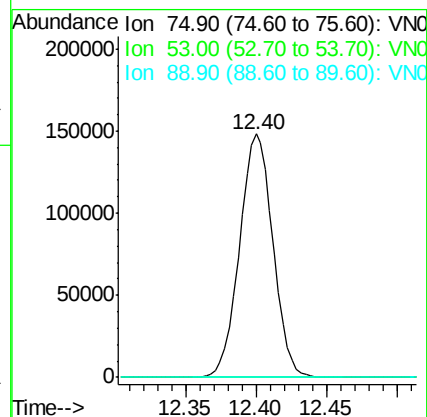
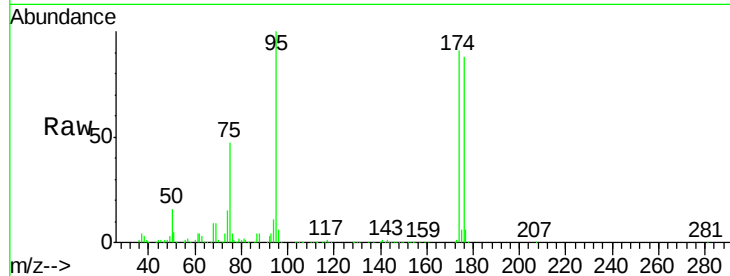
Tot Ion: 75 Resp: 244873

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#



#84

1,2,4-Trimethylbenzene

Concen: 0.775 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053505.D

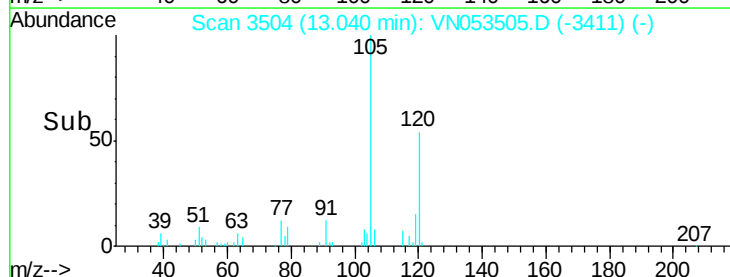
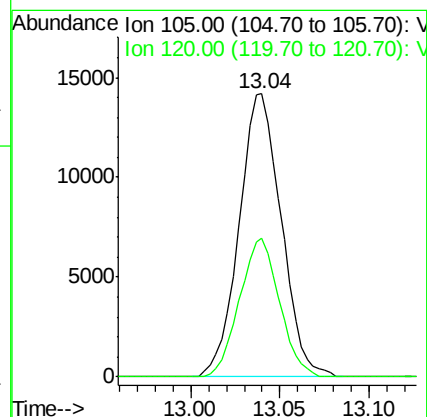
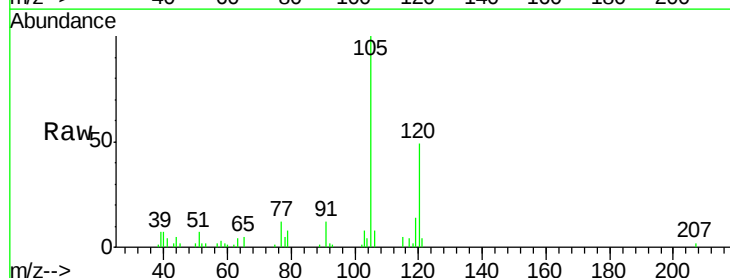
Acq: 21 Jan 2019 14:30

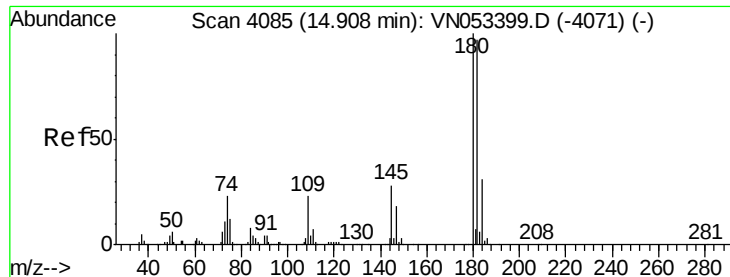
Tgt Ion: 105 Resp: 23393

Ion Ratio Lower Upper

105 100

120 46.2 23.0 69.0

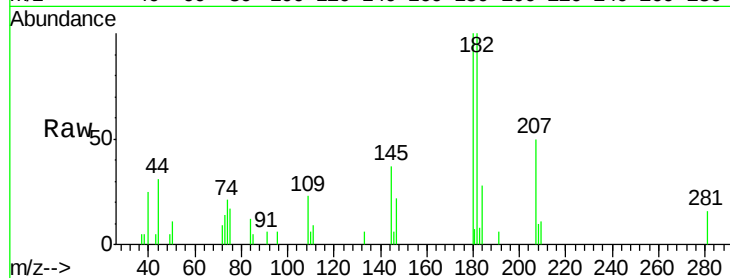




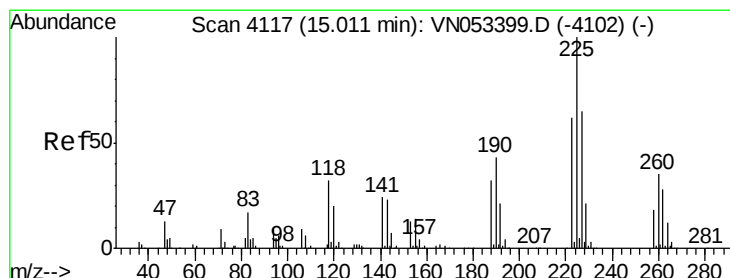
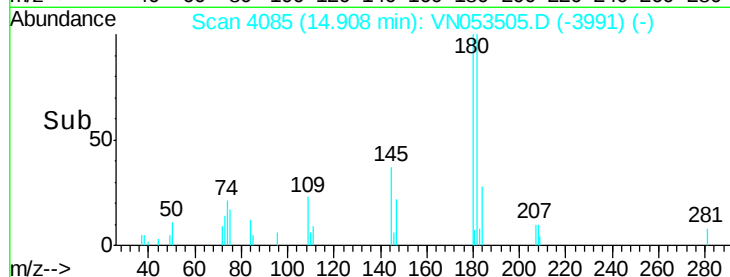
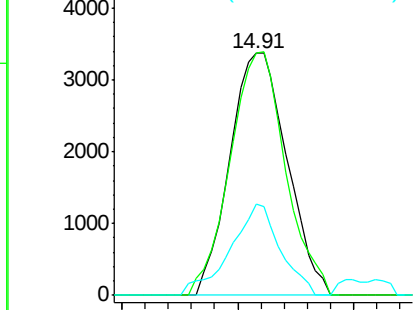
#93
 1,2,4-Trichlorobenzene
 Concen: 3.550 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053505.D
 Acq: 21 Jan 2019 14:30

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-01-011819-A

Tot Ion:180 Resp: 5746
 Ion Ratio Lower Upper
 180 100
 182 97.7 48.1 144.3
 145 33.0 13.9 41.6

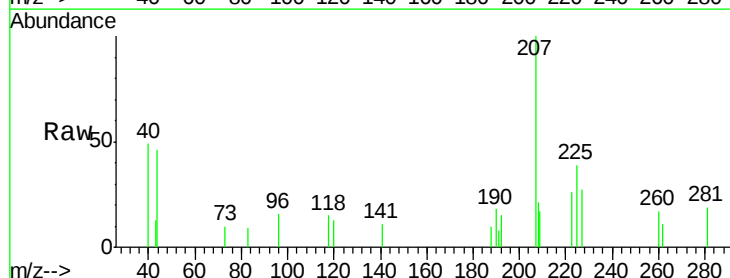


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

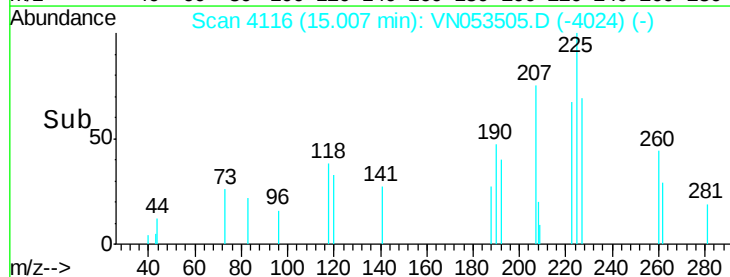
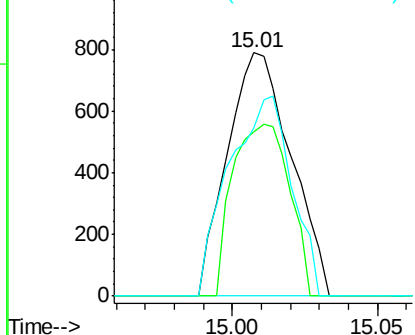


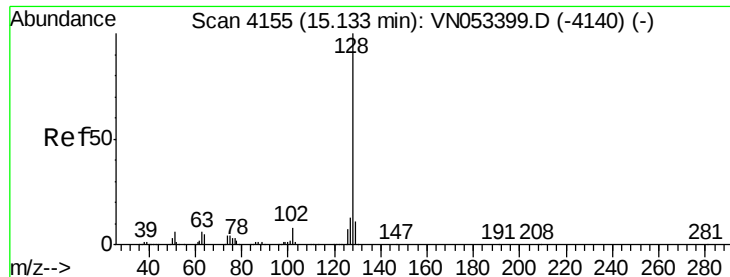
#94
 Hexachlorobutadiene
 Concen: 0.246 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053505.D
 Acq: 21 Jan 2019 14:30

Tgt Ion:225 Resp: 1203
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.2
 227 80.6 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 7.462 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053505.D

Acq: 21 Jan 2019 14:30

Instrument :

MSVOA_N

ClientSampleId :

PL-01-011819-A

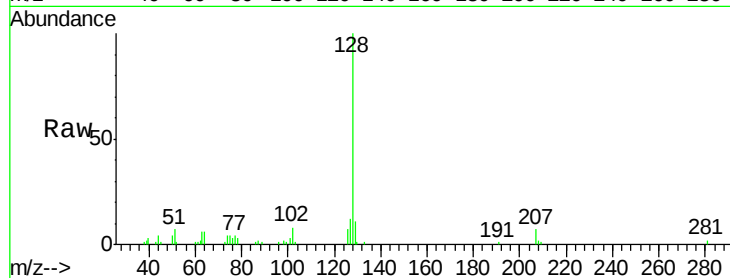
Tot Ion:128 Resp: 46478

Ion Ratio Lower Upper

128 100

127 11.8 10.3 15.5

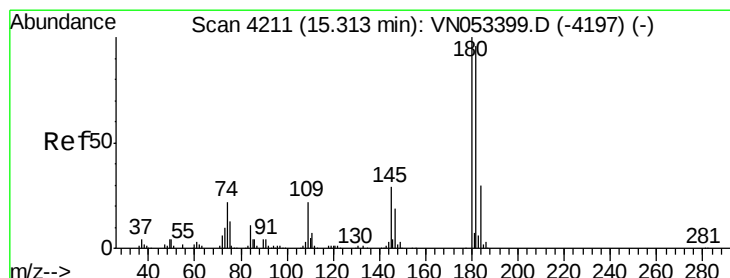
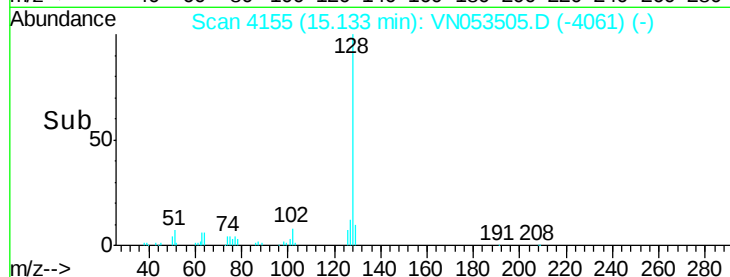
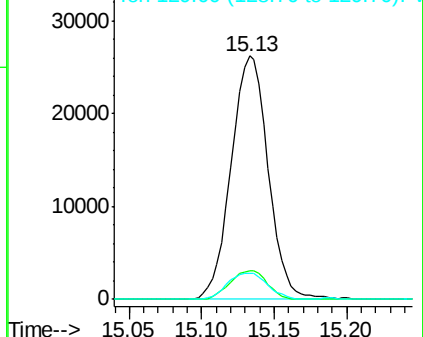
129 11.6 8.6 13.0



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: 4.986 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053505.D

Acq: 21 Jan 2019 14:30

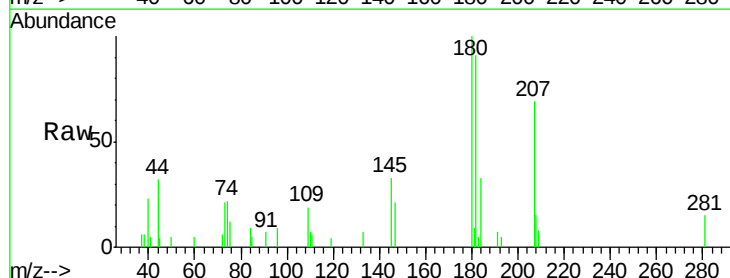
Tgt Ion:180 Resp: 5949

Ion Ratio Lower Upper

180 100

182 99.5 47.9 143.8

145 38.2 14.7 44.1



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

