

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055146.D
 Acq On : 19 Apr 2019 18:39
 Operator : JC/SP
 Sample : VN0419WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBL02

Quant Time: Apr 20 04:24:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	550270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	867252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	699935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	198712	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	347836	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
35) Dibromofluoromethane	7.59	113	277656	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
50) Toluene-d8	10.09	98	1023824	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.40	95	280826	41.64	ug/l	0.00
Spiked Amount			Recovery	=	83.28%	

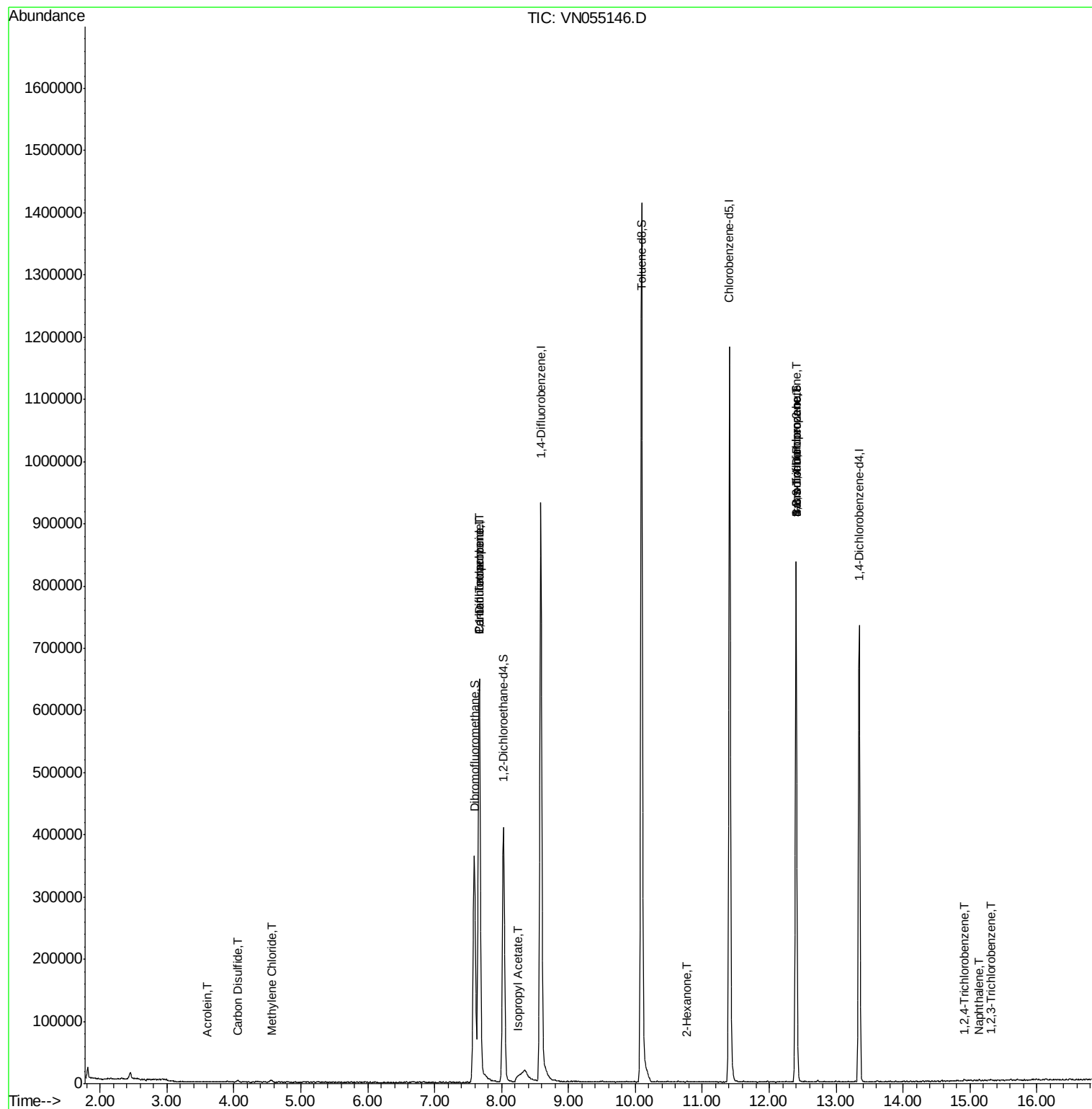
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	201	0.406	ug/l #	12
17) Carbon Disulfide	4.05	76	5169	0.367	ug/l #	75
18) Methyl Acetate	4.33	43	906	Below Cal	#	88
20) Methylene Chloride	4.55	84	1691	0.242	ug/l #	78
31) Cyclohexane	7.67	56	11856	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	41599	5.088	ug/l #	49
38) Carbon Tetrachloride	7.66	117	51677	6.644	ug/l #	17
43) Isopropyl Acetate	8.23	43	6862	0.669	ug/l #	64
59) 2-Hexanone	10.76	43	1542	0.414	ug/l #	43
71) Bromoform	12.40	173	1328	0.447	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	144556	40.454	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	144556	161.770	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.91	180	566	2.853	ug/l #	74
95) Naphthalene	15.14	128	1813	3.319	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.31	180	674	0.260	ug/l #	83

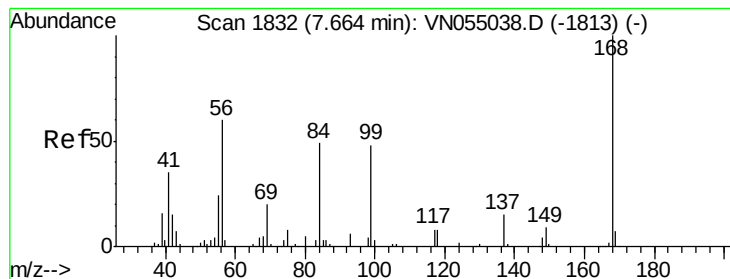
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055146.D

Acq: 19 Apr 2019 18:39

Instrument :

MSVOA_N

ClientSampled :

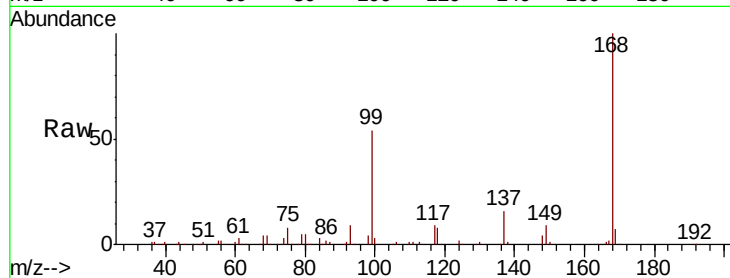
VN0419WBL02

Tot Ion:168 Resp: 550270

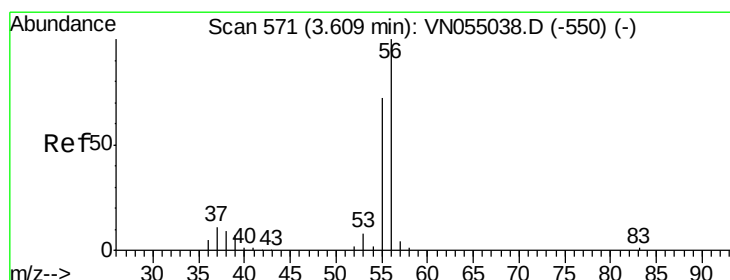
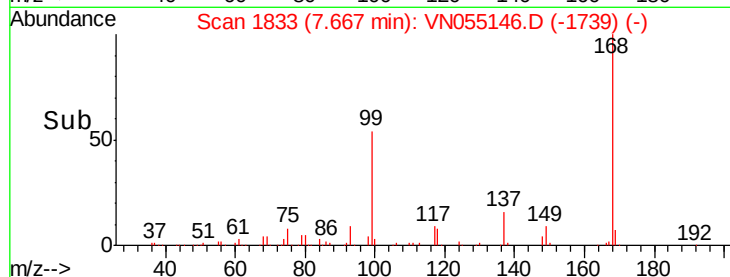
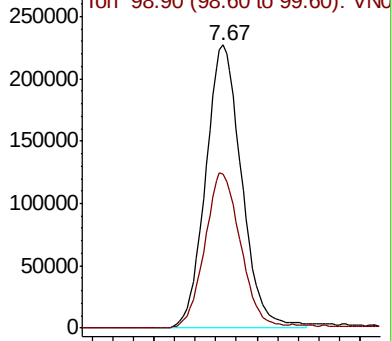
Ion Ratio Lower Upper

168 100

99 54.5 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): VN055038.D (-1813) (-)



#13

Acrolein

Concen: 0.406 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055146.D

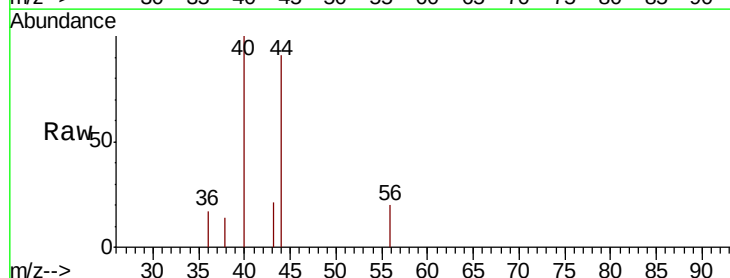
Acq: 19 Apr 2019 18:39

Tgt Ion: 56 Resp: 201

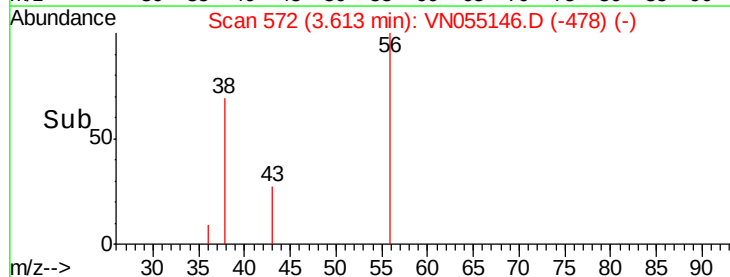
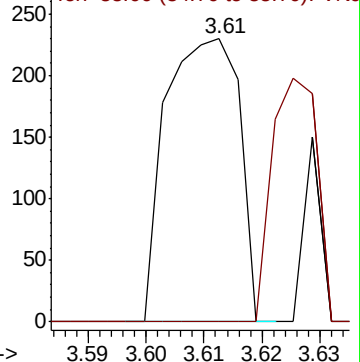
Ion Ratio Lower Upper

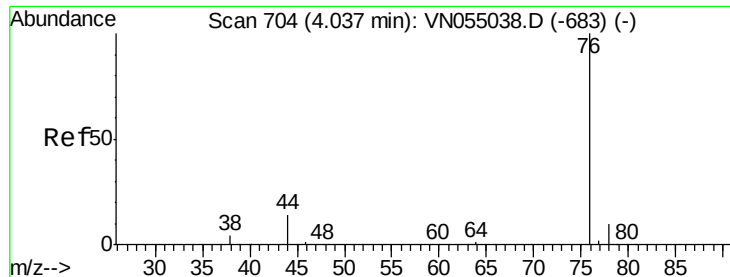
56 100

55 0.0 59.5 89.3#



Abundance Ion 56.00 (55.70 to 56.70): VN055038.D (-550) (-)





#17

Carbon Disulfide

Concen: 0.367 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.02 min

Lab File: VN055146.D

Acq: 19 Apr 2019 18:39

Instrument :

MSVOA_N

ClientSampled :

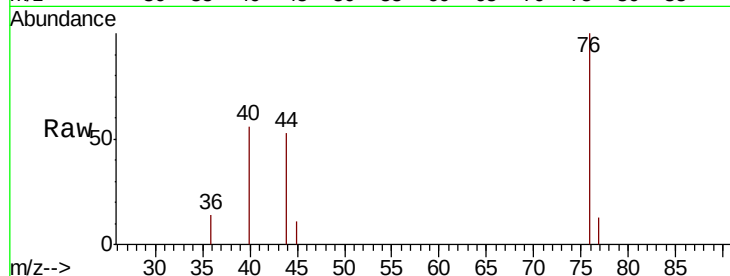
VN0419WBL02

Tot Ion: 76 Resp: 5169

Ion Ratio Lower Upper

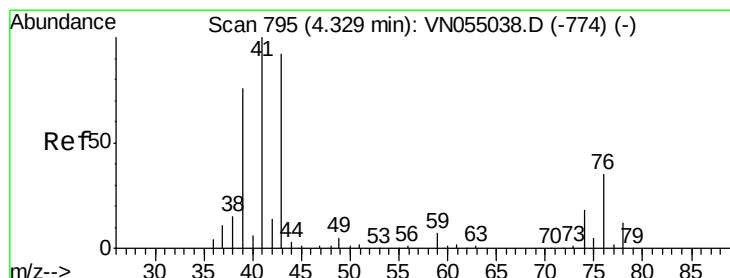
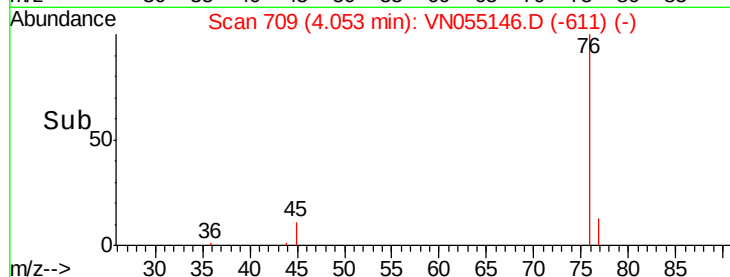
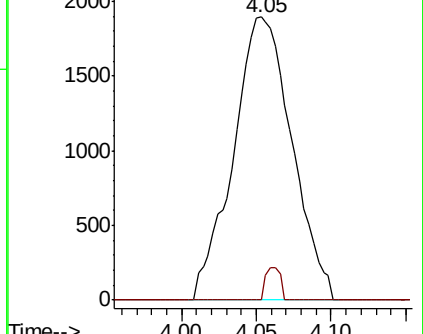
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055146.D

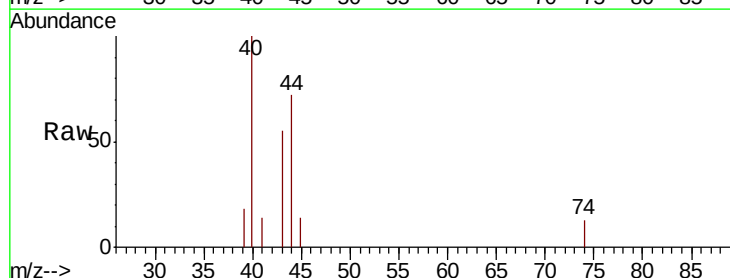
Acq: 19 Apr 2019 18:39

Tgt Ion: 43 Resp: 906

Ion Ratio Lower Upper

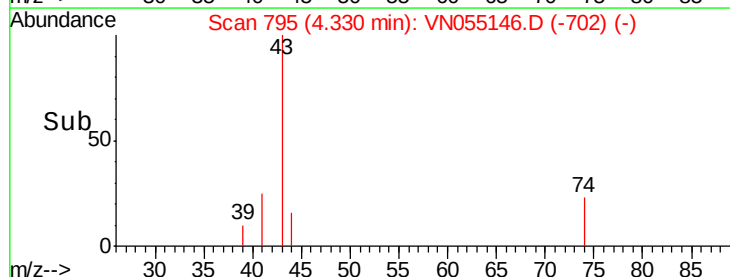
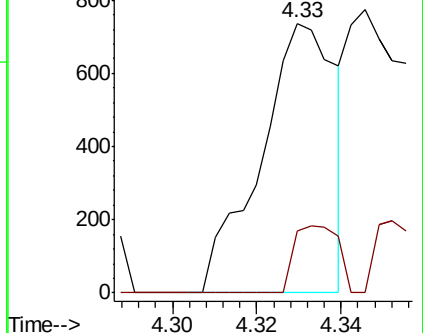
43 100

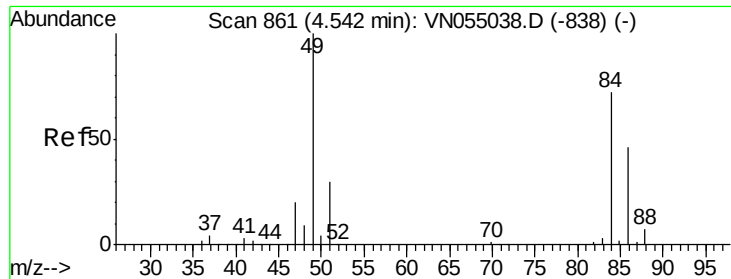
74 14.7 16.1 24.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

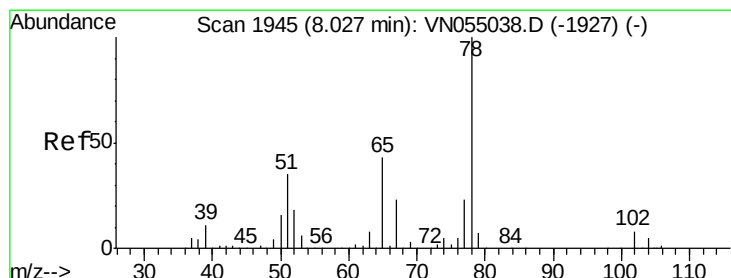
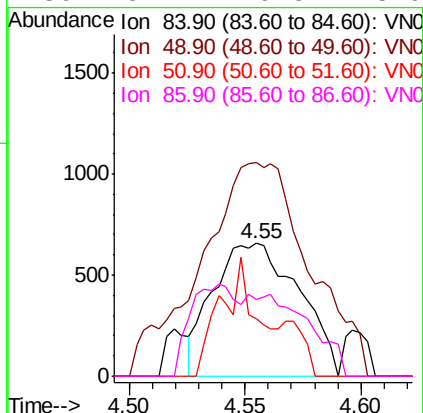
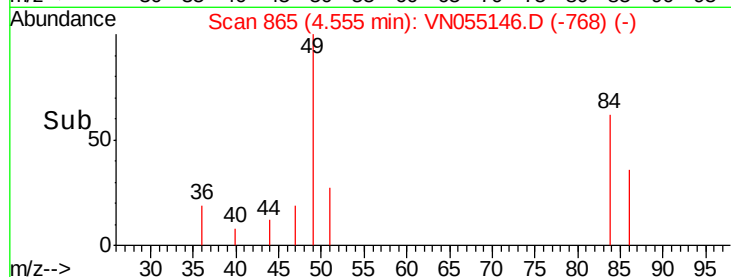
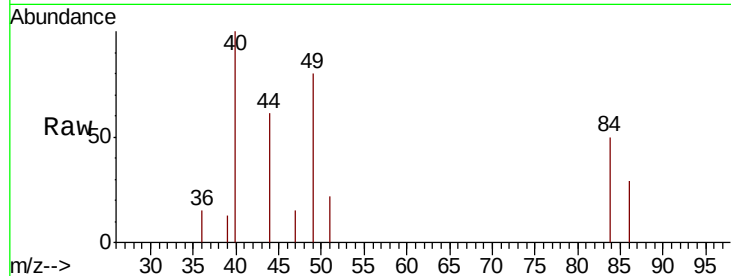




#20
Methylene Chloride
Concen: 0.242 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN055146.D
Acq: 19 Apr 2019 18:39

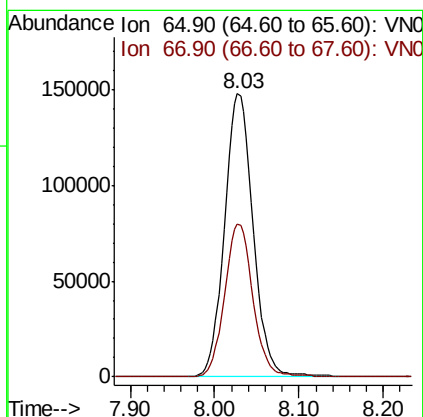
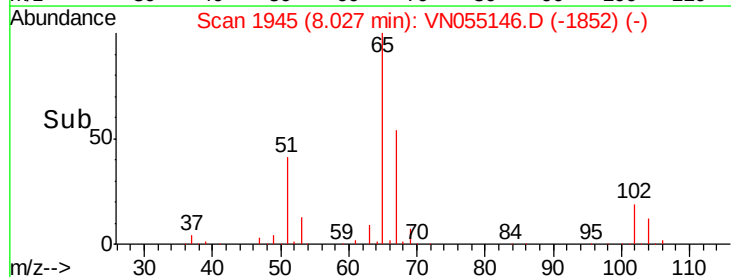
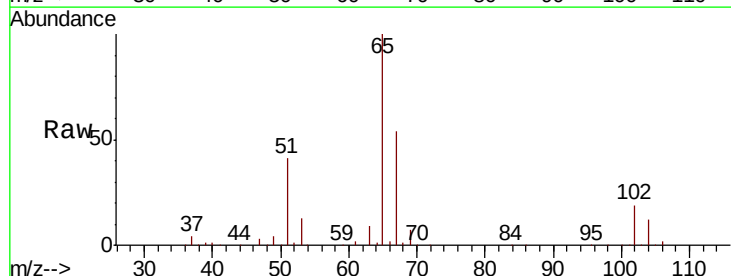
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBL02

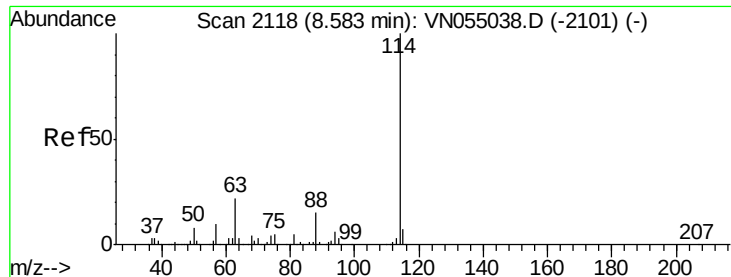
Tot Ion: 84 Resp: 1691
Ion Ratio Lower Upper
84 100
49 111.6 109.4 164.2
51 43.4 32.2 48.4
86 34.1 49.3 73.9#



#33
1,2-Dichloroethane-d4
Concen: 47.555 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055146.D
Acq: 19 Apr 2019 18:39

Tgt Ion: 65 Resp: 347836
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055146.D

Acq: 19 Apr 2019 18:39

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBL02

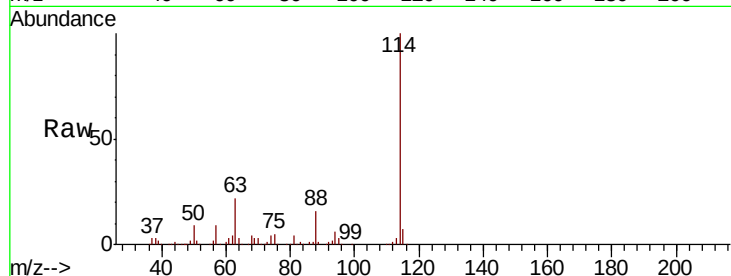
Tot Ion:114 Resp: 867252

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.2

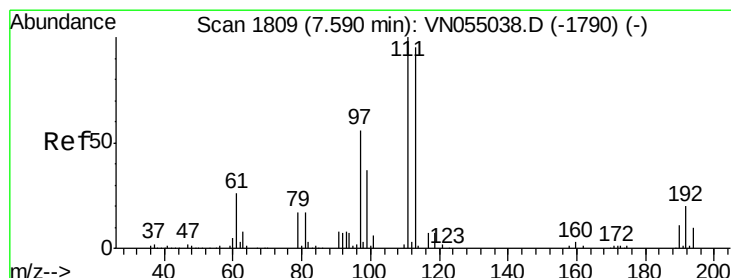
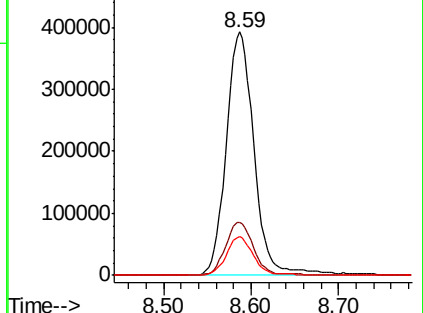
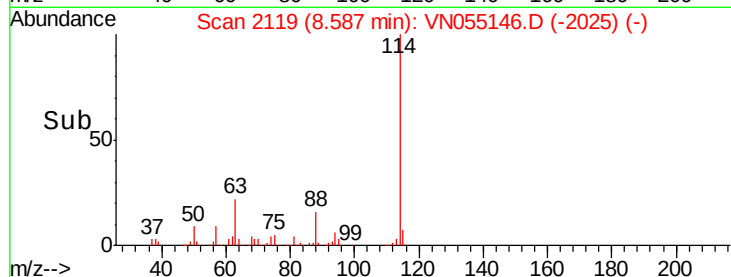
88 15.9 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.905 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055146.D

Acq: 19 Apr 2019 18:39

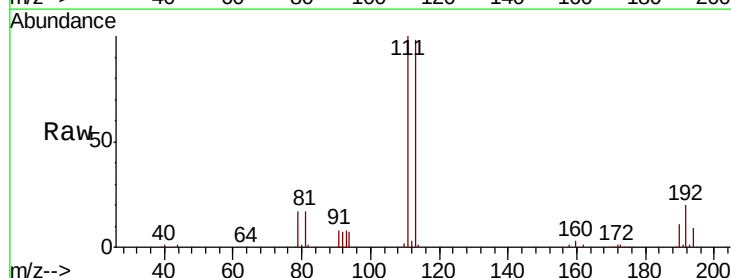
Tgt Ion:113 Resp: 277656

Ion Ratio Lower Upper

113 100

111 102.6 82.1 123.1

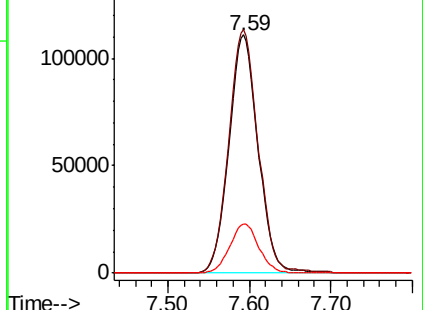
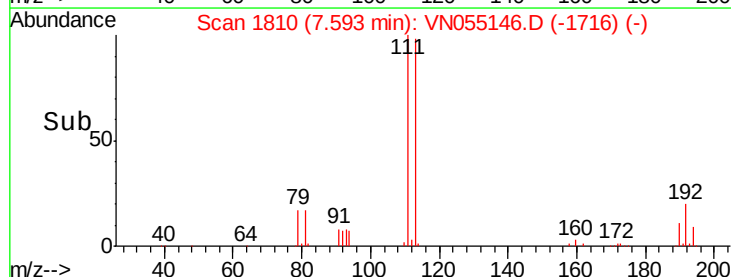
192 20.7 16.5 24.7

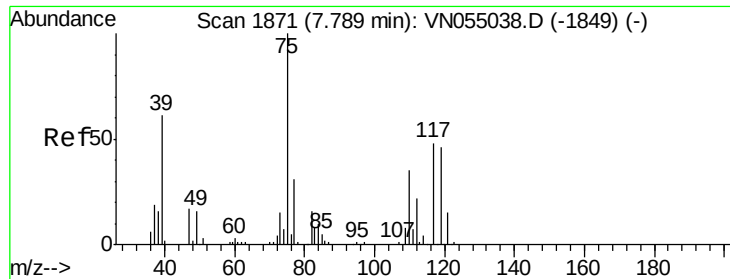


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.088 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN055146.D

Acq: 19 Apr 2019 18:39

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBL02

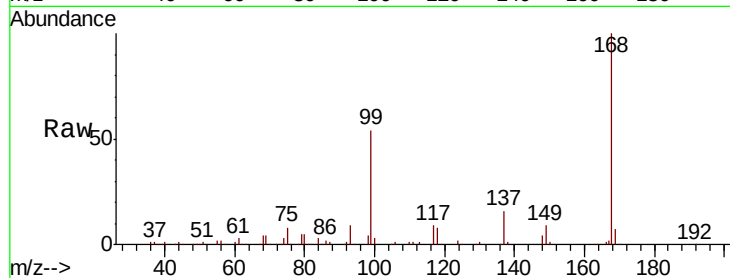
Tot Ion: 75 Resp: 41599

Ion Ratio Lower Upper

75 100

110 8.3 17.5 52.5#

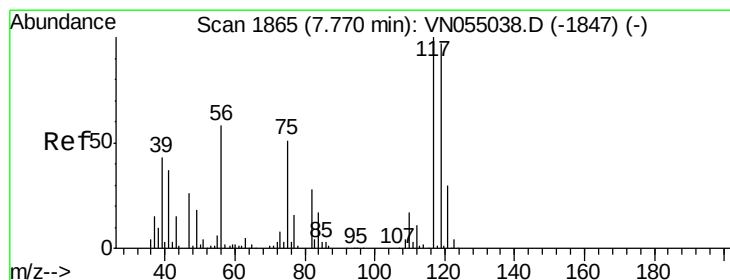
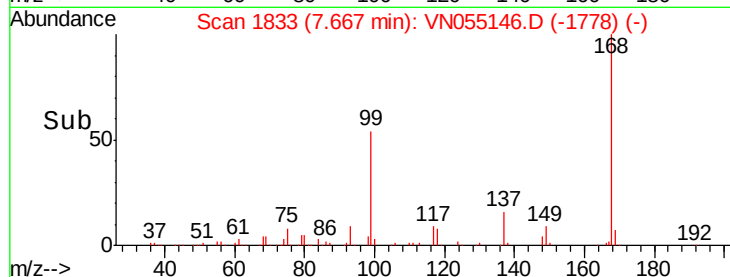
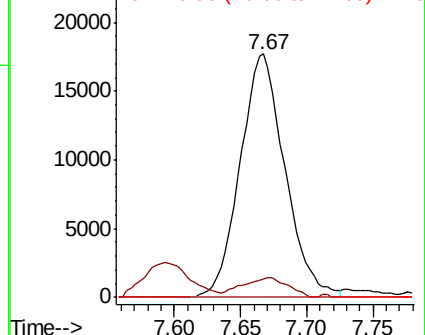
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 6.644 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055146.D

Acq: 19 Apr 2019 18:39

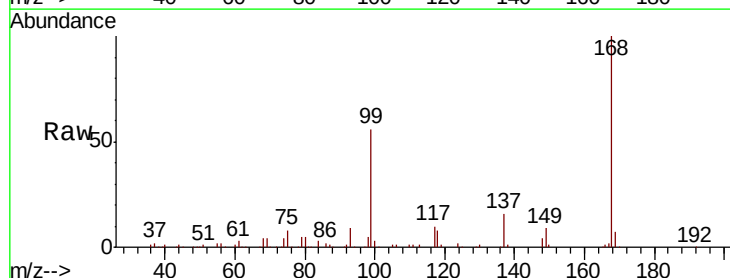
Tgt Ion: 117 Resp: 51677

Ion Ratio Lower Upper

117 100

119 5.6 76.3 114.5#

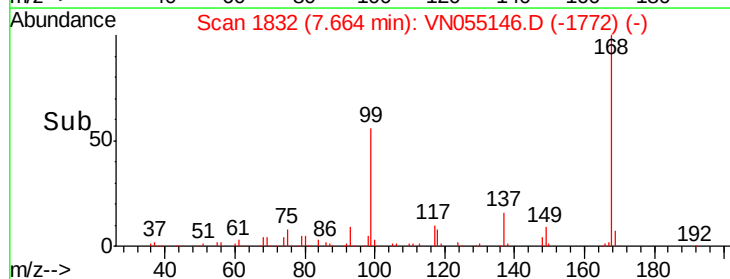
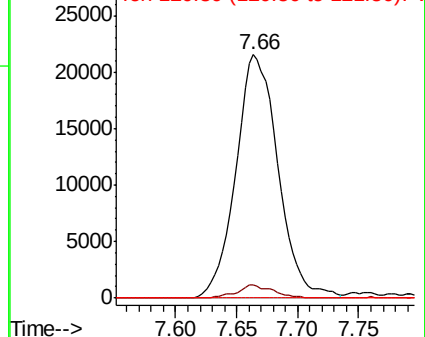
121 0.0 23.9 35.9#

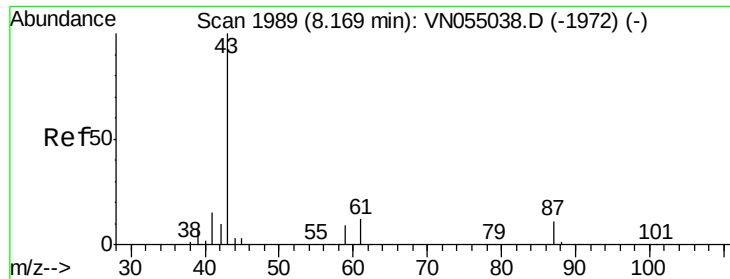


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.669 ug/l

RT: 8.23 min Scan# 2009

Delta R.T. 0.06 min

Lab File: VN055146.D

Acq: 19 Apr 2019 18:39

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBL02

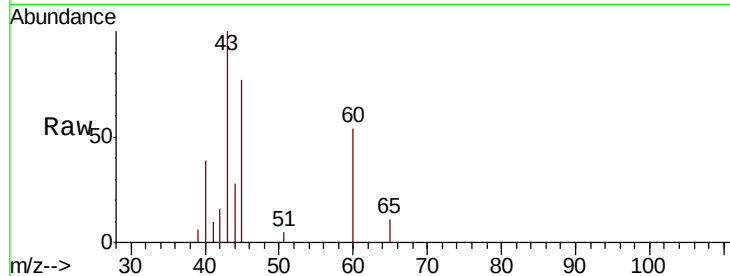
Tot Ion: 43 Resp: 6862

Ion Ratio Lower Upper

43 100

61 0.0 14.3 21.5#

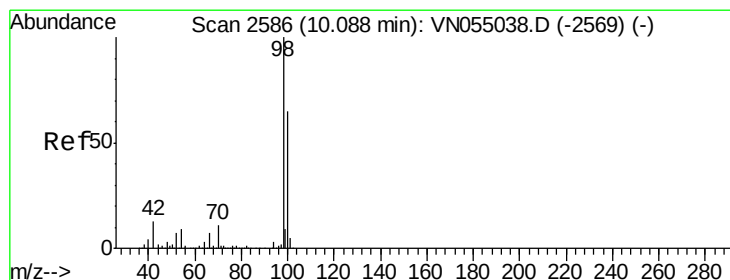
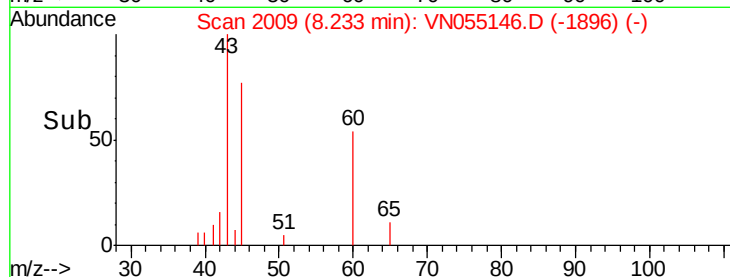
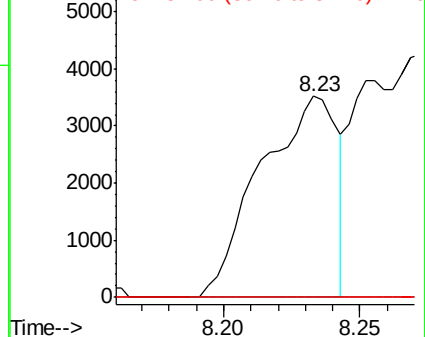
87 0.0 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 49.355 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055146.D

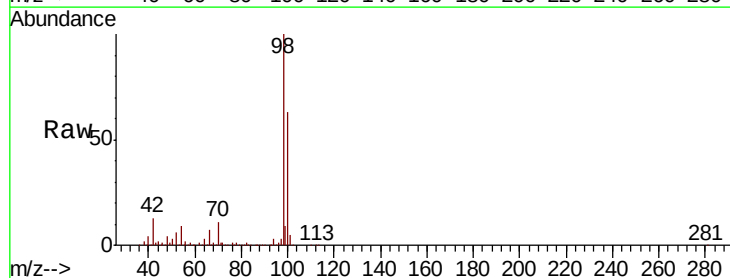
Acq: 19 Apr 2019 18:39

Tgt Ion: 98 Resp: 1023824

Ion Ratio Lower Upper

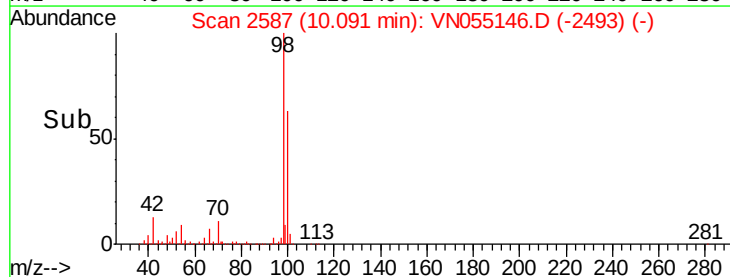
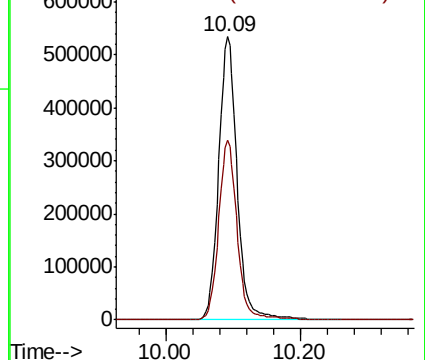
98 100

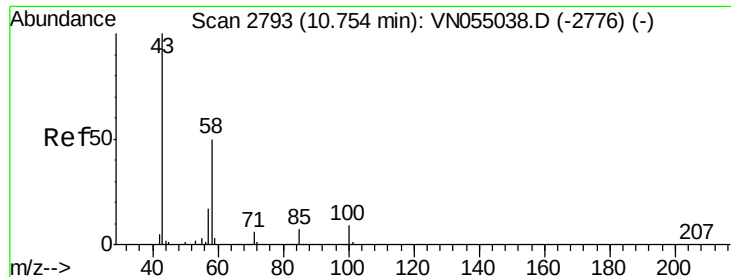
100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

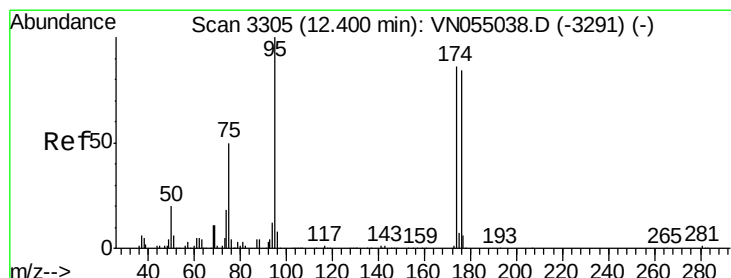
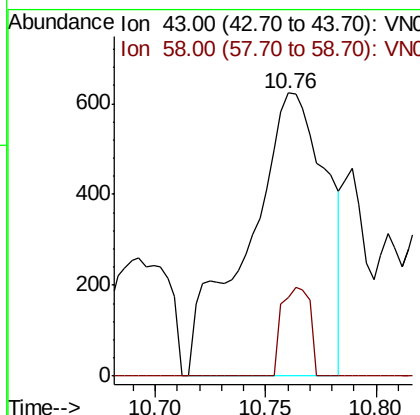
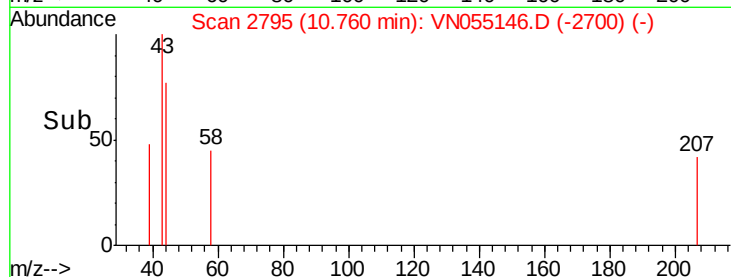
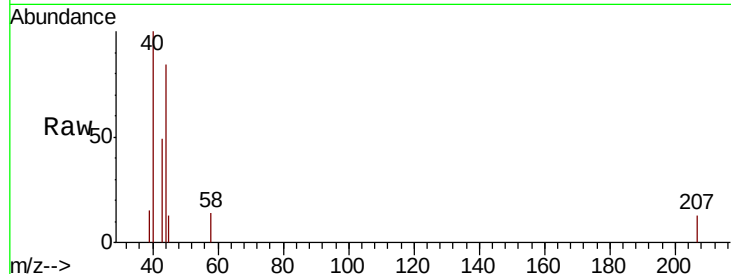




#59
2-Hexanone
Concen: 0.414 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN055146.D
Acq: 19 Apr 2019 18:39

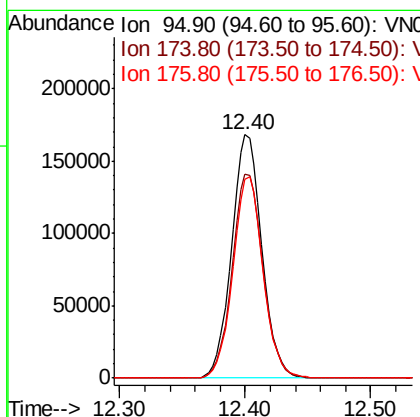
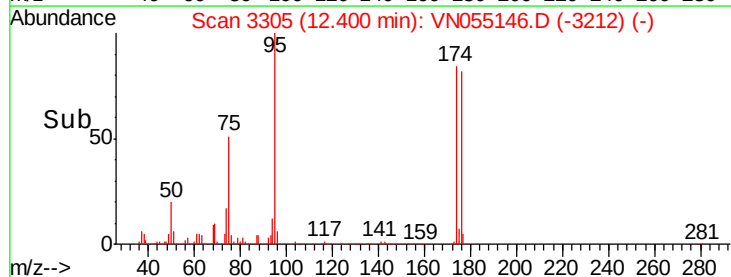
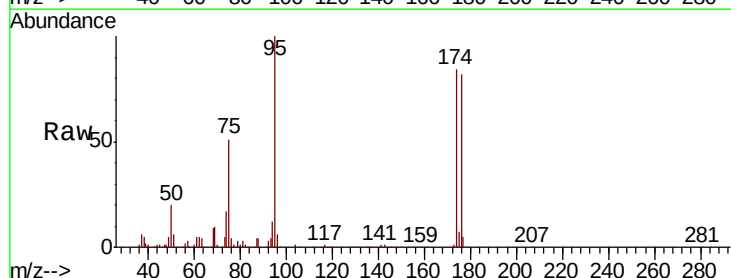
Instrument :
MSVOA_N
ClientSampled :
VN0419WBL02

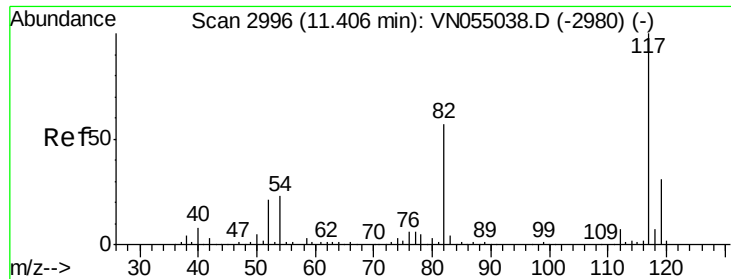
Tot Ion: 43 Resp: 1542
Ion Ratio Lower Upper
43 100
58 11.1 25.1 75.2#



#62
4-Bromofluorobenzene
Concen: 41.642 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055146.D
Acq: 19 Apr 2019 18:39

Tgt Ion: 95 Resp: 280826
Ion Ratio Lower Upper
95 100
174 85.4 0.0 174.4
176 82.8 0.0 166.8

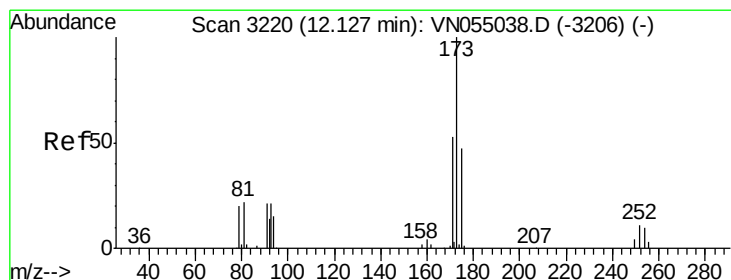
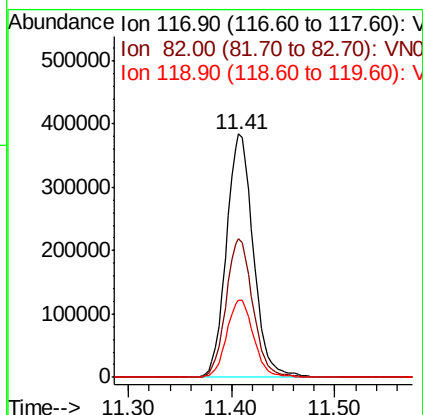
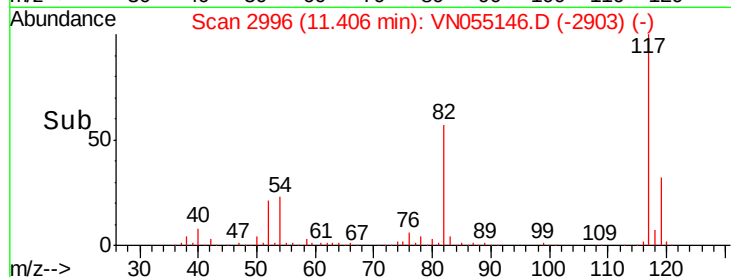
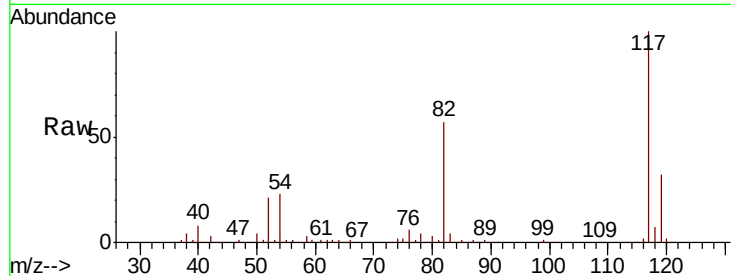




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055146.D
Acq: 19 Apr 2019 18:39

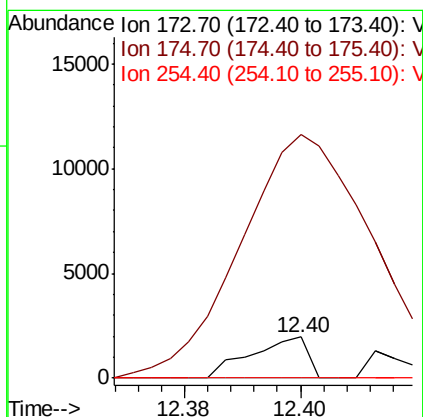
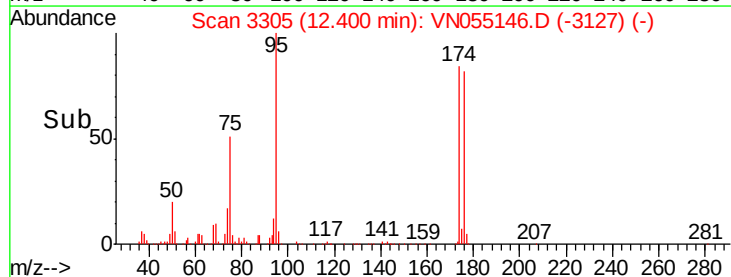
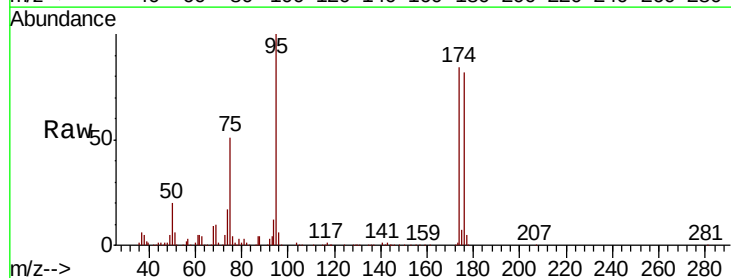
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBL02

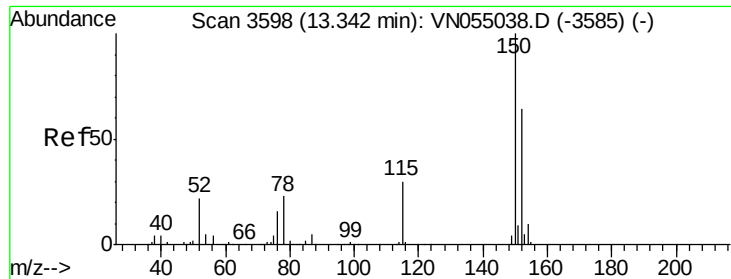
Tot Ion:117 Resp: 699935
Ion Ratio Lower Upper
117 100
82 57.1 44.6 66.8
119 32.0 25.5 38.3



#71
Bromoform
Concen: 0.447 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055146.D
Acq: 19 Apr 2019 18:39

Tgt Ion:173 Resp: 1328
Ion Ratio Lower Upper
173 100
175 1233.5 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055146.D

Acq: 19 Apr 2019 18:39

Instrument :

MSVOA_N

ClientSampled :

VN0419WBL02

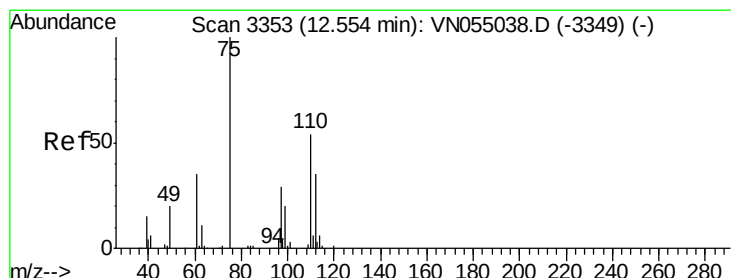
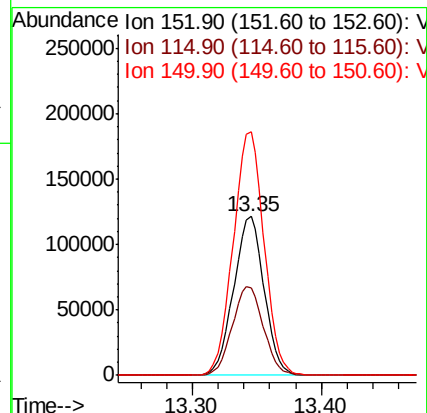
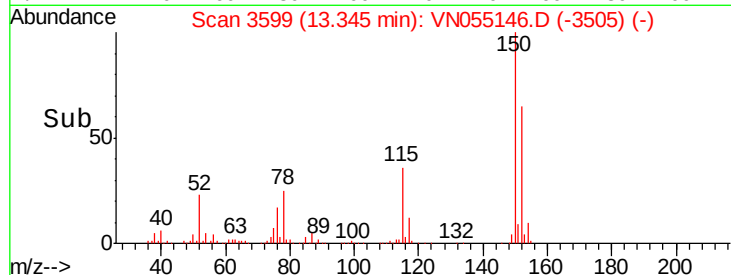
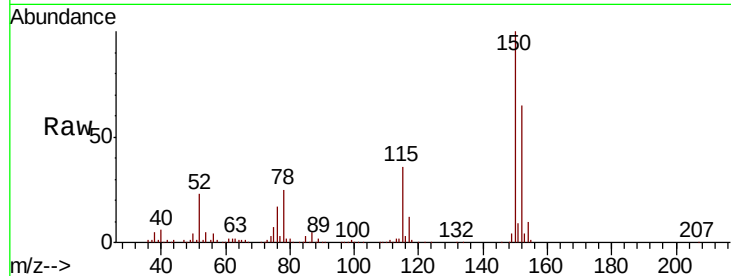
Tot Ion:152 Resp: 198712

Ion Ratio Lower Upper

152 100

115 57.2 28.5 85.6

150 155.5 0.0 347.2



#76

1,2,3-Trichloropropane

Concen: 40.454 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055146.D

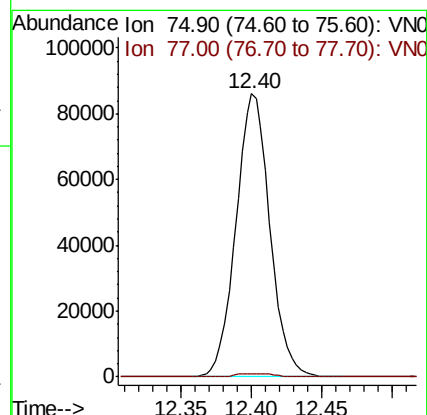
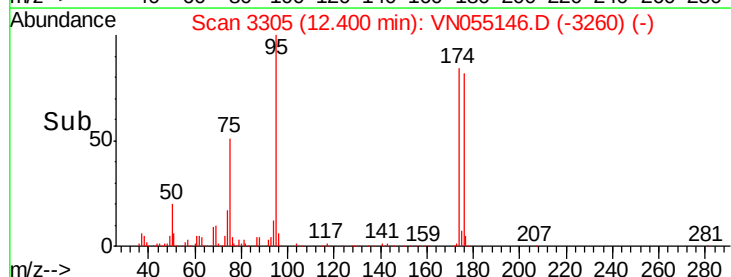
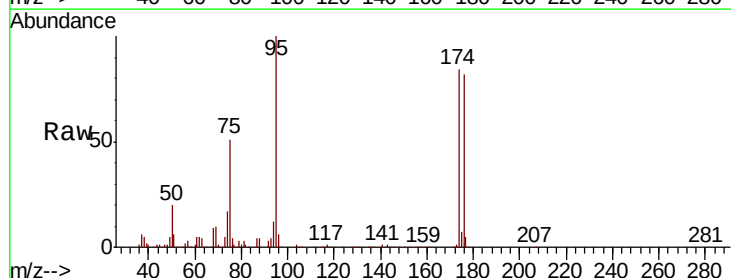
Acq: 19 Apr 2019 18:39

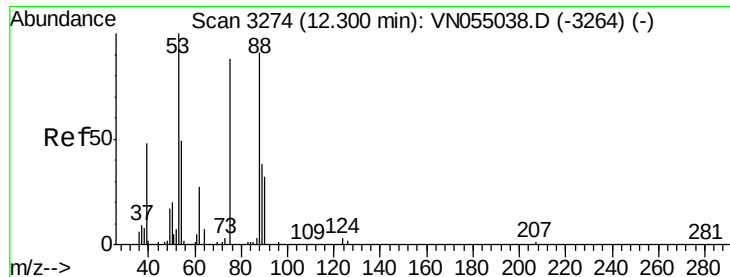
Tgt Ion: 75 Resp: 144556

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 161.770 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055146.D

Acq: 19 Apr 2019 18:39

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBL02

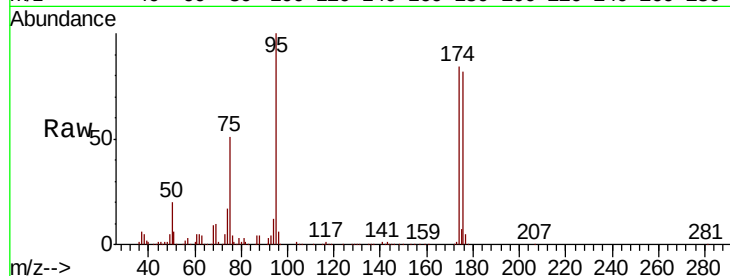
Tot Ion: 75 Resp: 144556

Ion Ratio Lower Upper

75 100

53 0.0 96.3 144.5#

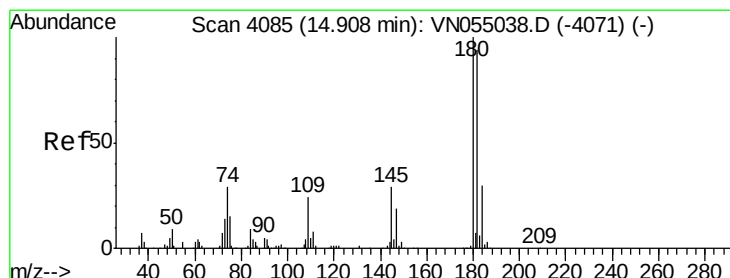
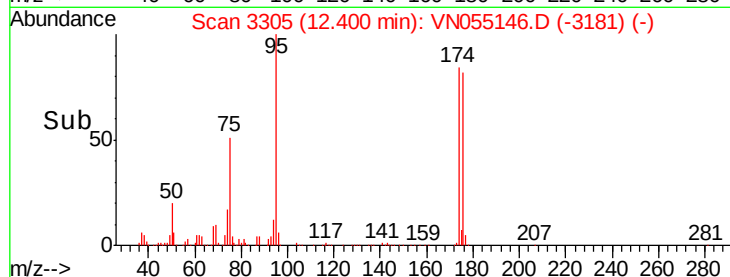
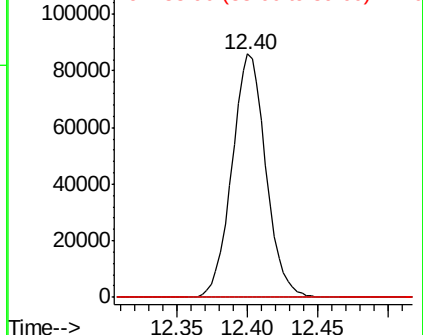
89 0.0 38.6 57.8#



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



#93

1,2,4-Trichlorobenzene

Concen: 2.853 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055146.D

Acq: 19 Apr 2019 18:39

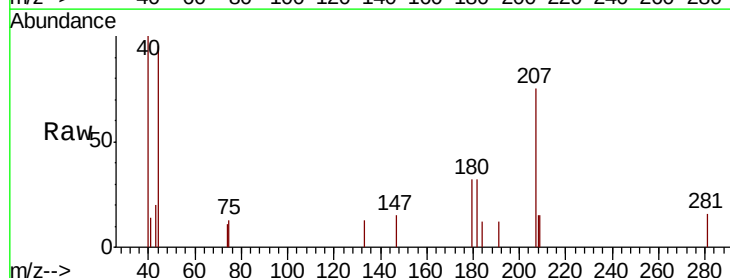
Tgt Ion: 180 Resp: 566

Ion Ratio Lower Upper

180 100

182 112.9 47.5 142.6

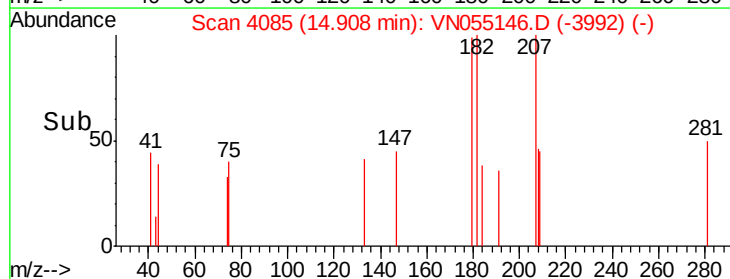
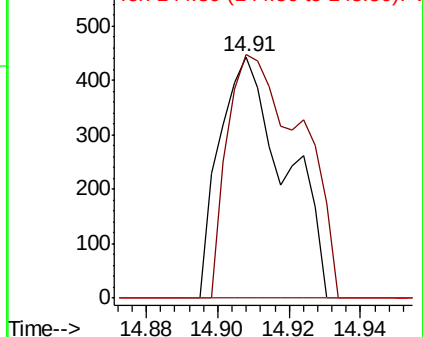
145 0.0 14.2 42.8#

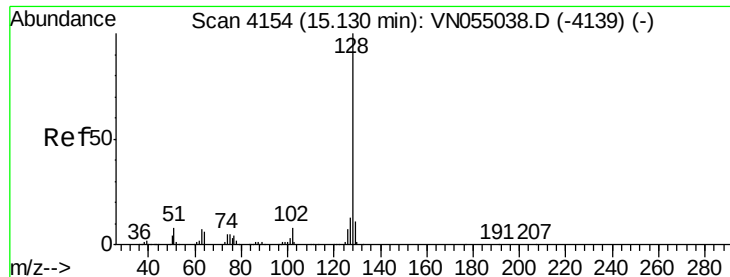


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 3.319 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN055146.D

Acq: 19 Apr 2019 18:39

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBL02

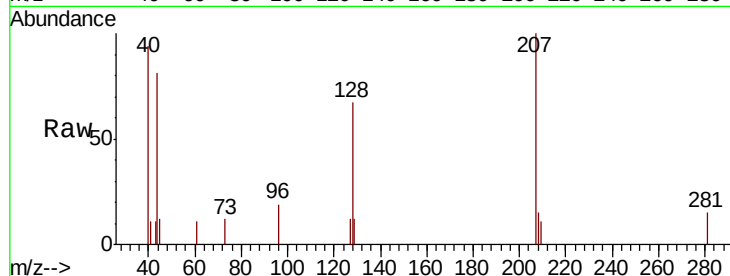
Tot Ion:128 Resp: 1813

Ion Ratio Lower Upper

128 100

127 5.8 10.1 15.1#

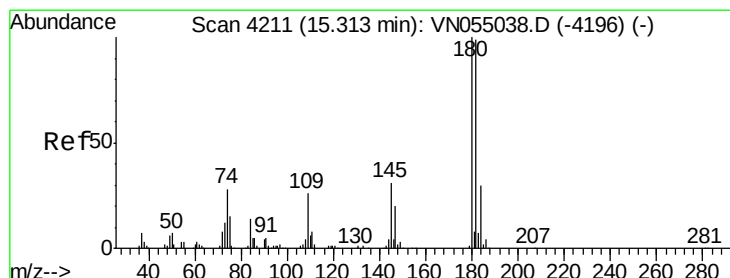
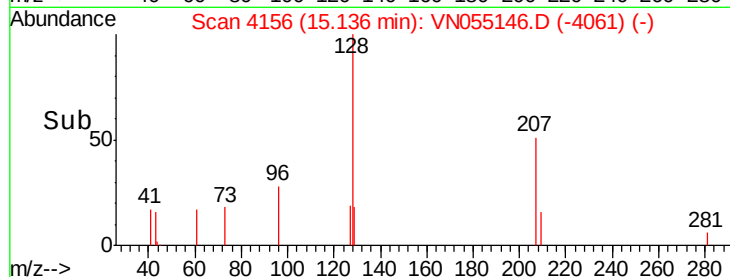
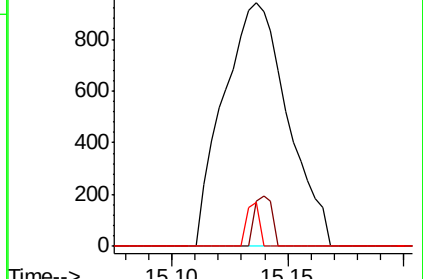
129 3.4 8.8 13.2#



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: 0.260 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. -0.01 min

Lab File: VN055146.D

Acq: 19 Apr 2019 18:39

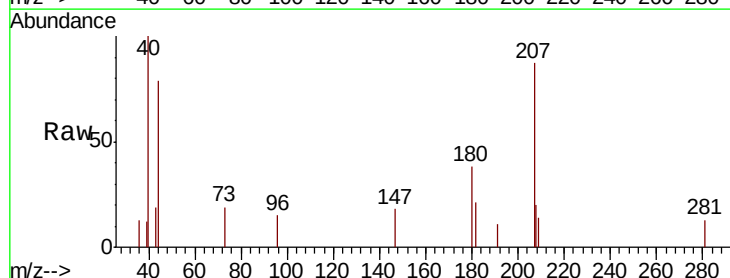
Tgt Ion:180 Resp: 674

Ion Ratio Lower Upper

180 100

182 91.5 48.0 144.0

145 0.0 15.3 45.9#



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

