

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053025.D
 Acq On : 19 Dec 2018 22:23
 Operator : MD\SY
 Sample : VN1219MBL01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 32 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBL02

Quant Time: Dec 20 05:26:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1389822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2133090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1891655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	754369	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	664399	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
35) Dibromofluoromethane	7.59	113	555166	56.98	ug/l	0.00
Spiked Amount			Recovery	=	113.96%	
50) Toluene-d8	10.09	98	2586073	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	850179	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	

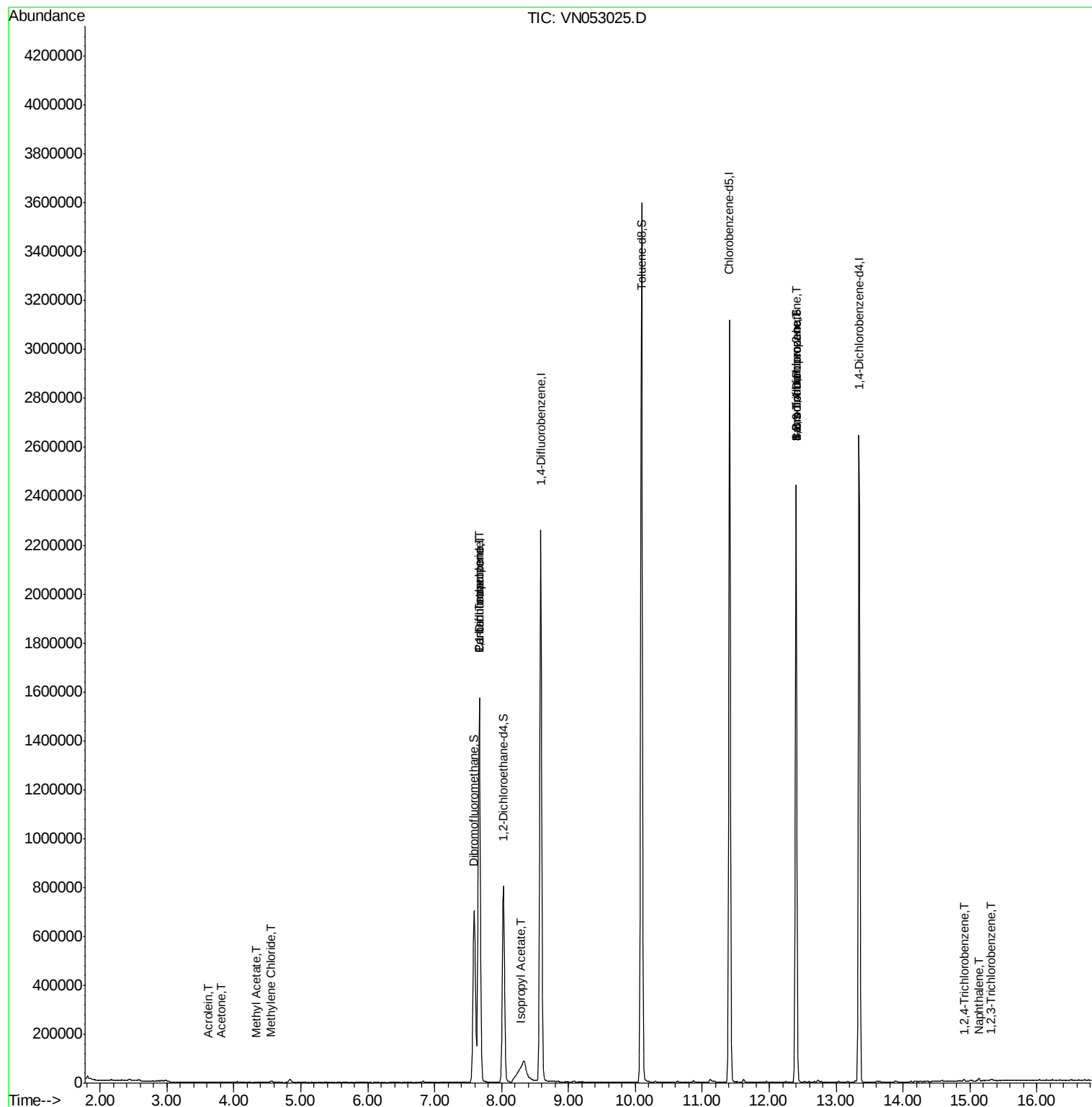
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	396	0.507	ug/l	99
16) Acetone	3.81	43	1133	0.410	ug/l	90
18) Methyl Acetate	4.33	43	3947	1.300	ug/l #	67
20) Methylene Chloride	4.55	84	4220	0.280	ug/l #	88
31) Cyclohexane	7.66	56	22896	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	90813	4.436	ug/l #	48
38) Carbon Tetrachloride	7.67	117	120642	6.429	ug/l #	16
43) Isopropyl Acetate	8.27	43	83296	2.779	ug/l #	53
71) Bromoform	12.40	173	4696	0.446	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	389954	30.707	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	389954	98.974	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	2477	0.777	ug/l	98
94) Hexachlorobutadiene	15.01	225	1059	Below Cal		78
95) Naphthalene	15.13	128	7635	1.398	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	2715	0.728	ug/l	87

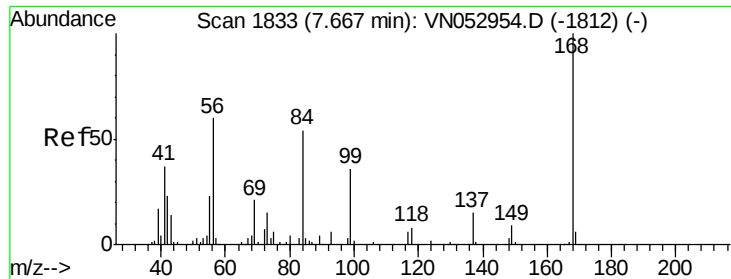
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121918\
Data File : VN053025.D
Acq On : 19 Dec 2018 22:23
Operator : MD\SY
Sample : VN1219MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 32 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1219MBL02

Quant Time: Dec 20 05:26:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053025.D

Acq: 19 Dec 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

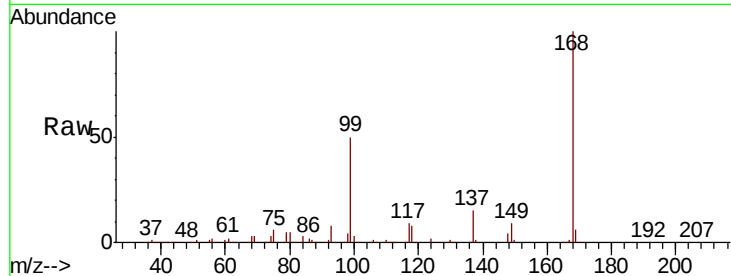
VN1219MBL02

Tot Ion:168 Resp: 1389822

Ion Ratio Lower Upper

168 100

99 50.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

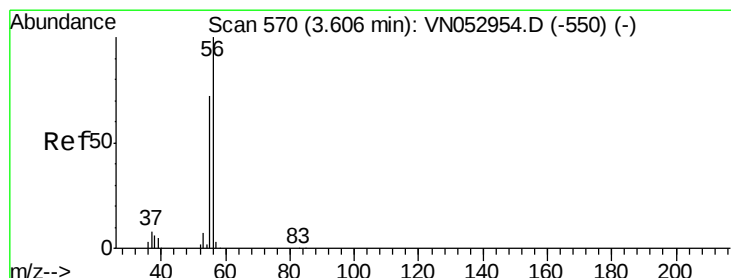
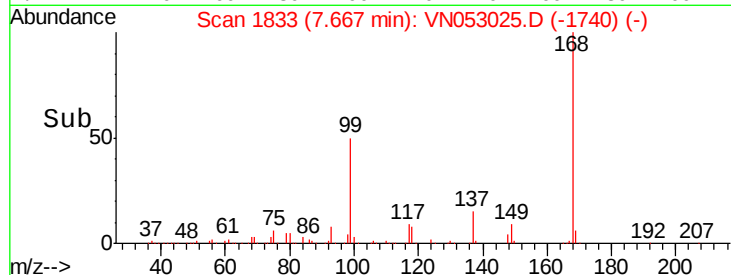
600000

400000

200000

0

Time-->



#13

Acrolein

Concen: 0.507 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053025.D

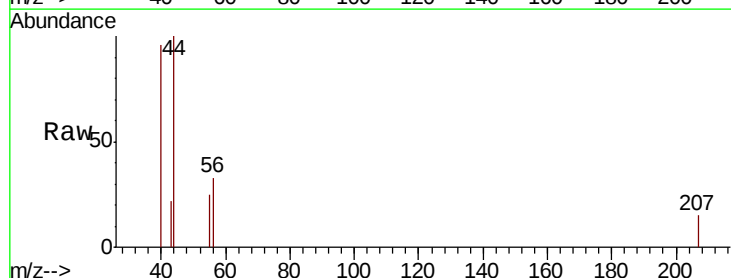
Acq: 19 Dec 2018 22:23

Tgt Ion: 56 Resp: 396

Ion Ratio Lower Upper

56 100

55 69.9 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

400

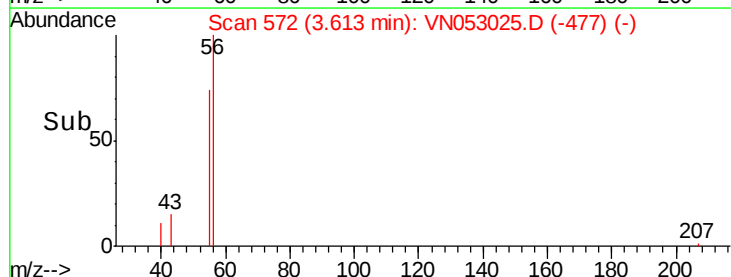
300

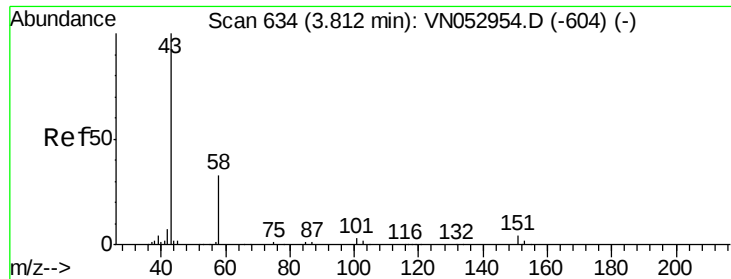
200

100

0

Time-->





#16

Acetone

Concen: 0.410 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053025.D

Acq: 19 Dec 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

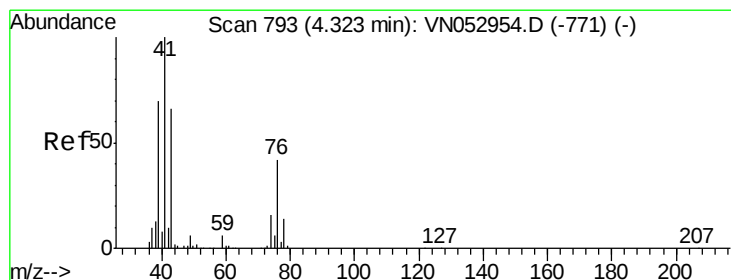
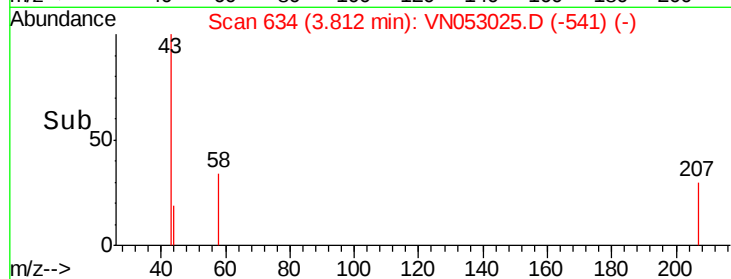
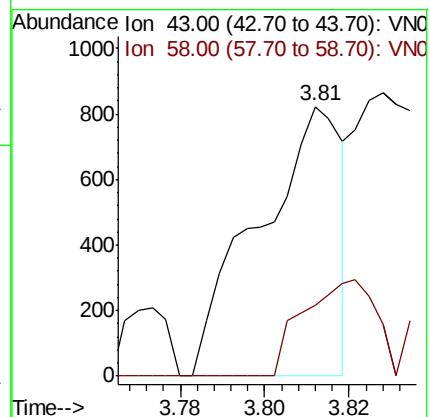
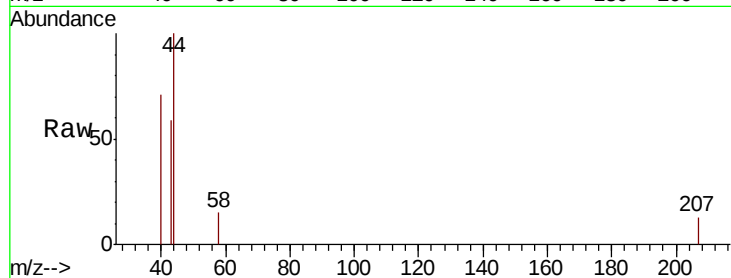
VN1219MBL02

Tot Ion: 43 Resp: 1133

Ion Ratio Lower Upper

43 100

58 26.1 25.4 38.0



#18

Methyl Acetate

Concen: 1.300 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN053025.D

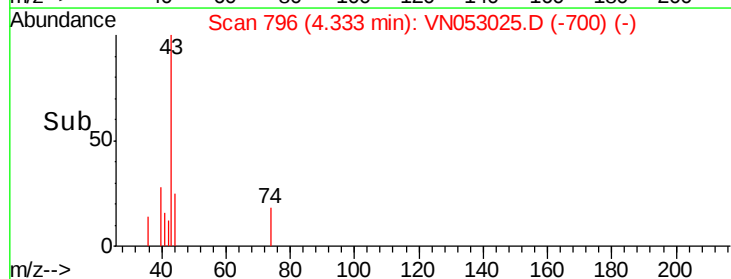
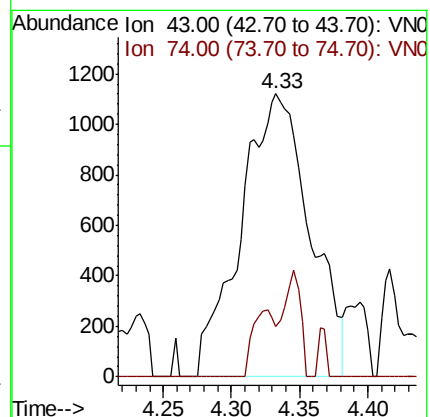
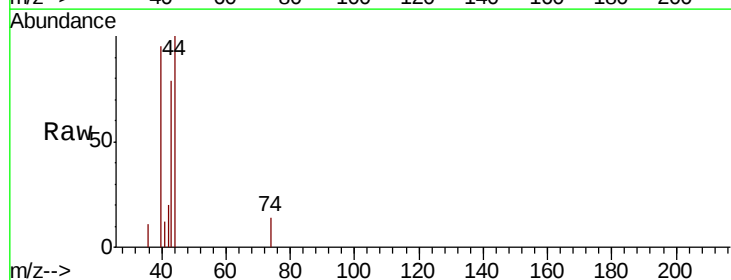
Acq: 19 Dec 2018 22:23

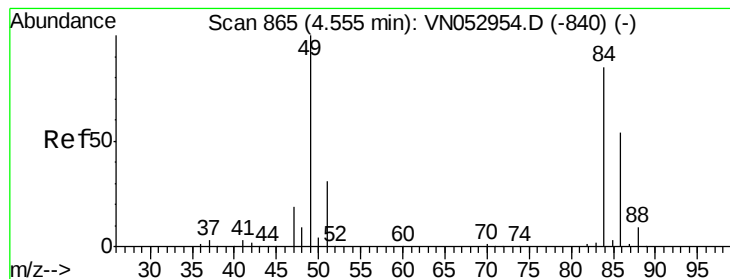
Tgt Ion: 43 Resp: 3947

Ion Ratio Lower Upper

43 100

74 7.6 19.2 28.8#





#20

Methylene Chloride

Concen: 0.280 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN053025.D

Acq: 19 Dec 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBL02

Tot Ion: 84 Resp: 4220

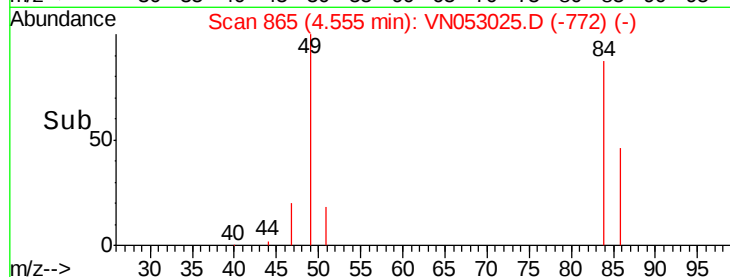
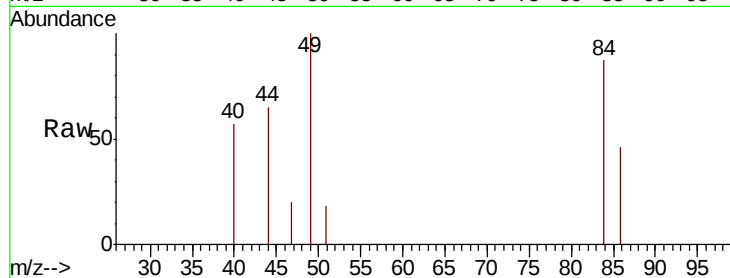
Ion Ratio Lower Upper

84 100

49 114.9 96.8 145.2

51 21.0 29.9 44.9#

86 52.9 51.8 77.6

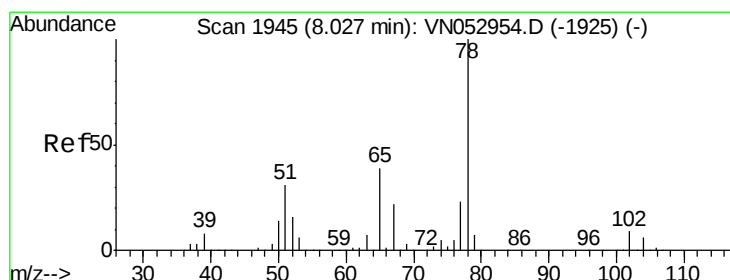
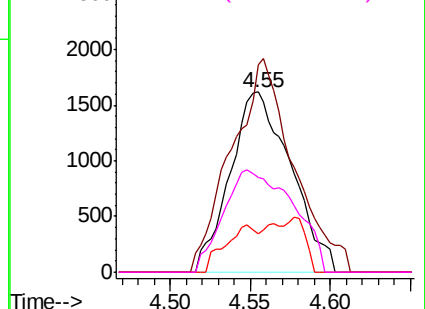


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053025.D

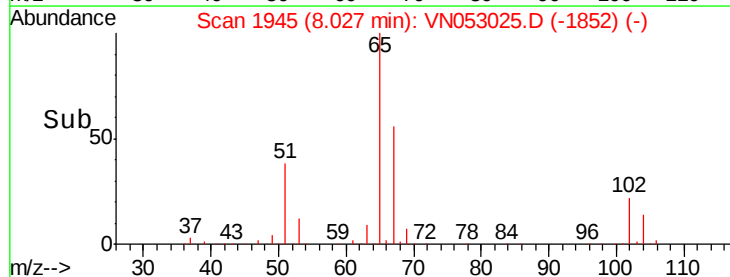
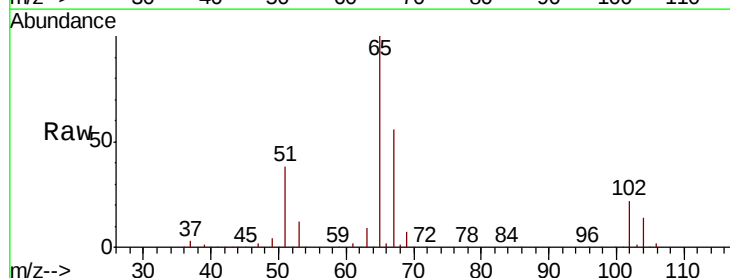
Acq: 19 Dec 2018 22:23

Tgt Ion: 65 Resp: 664399

Ion Ratio Lower Upper

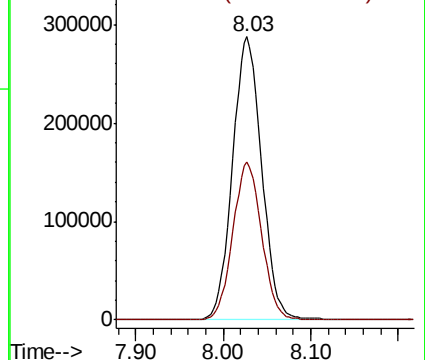
65 100

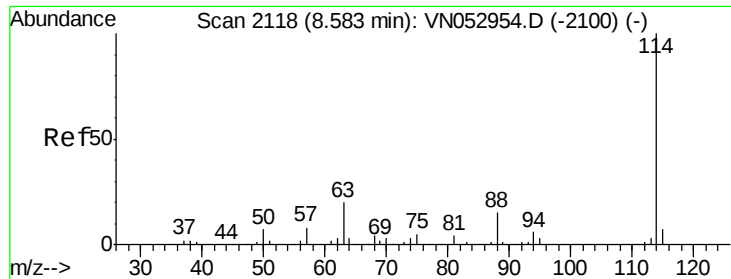
67 55.2 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

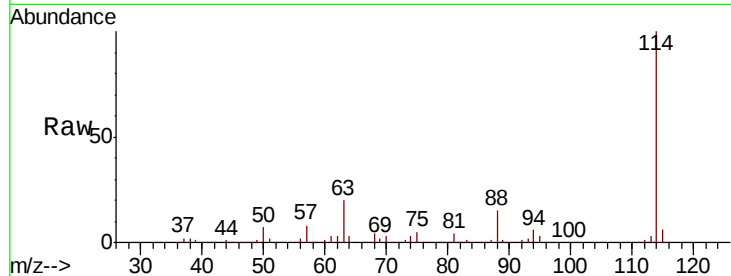




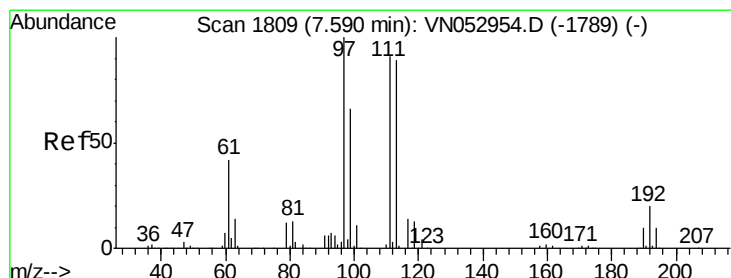
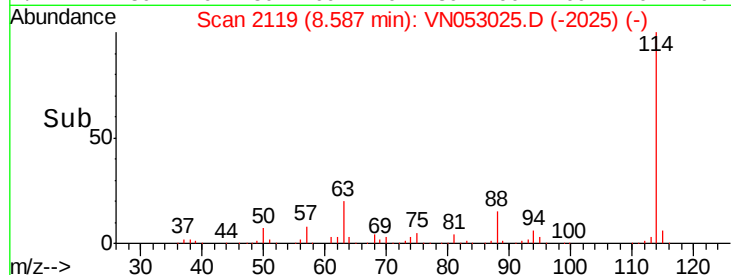
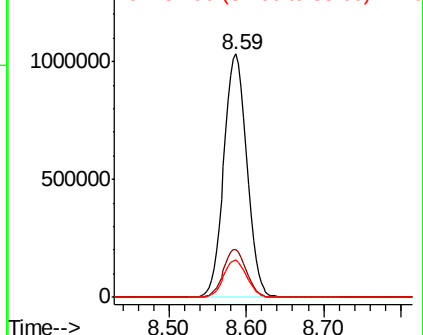
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053025.D
 Acq: 19 Dec 2018 22:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBL02

Tot Ion:114 Resp: 2133090
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.2 0.0 31.0

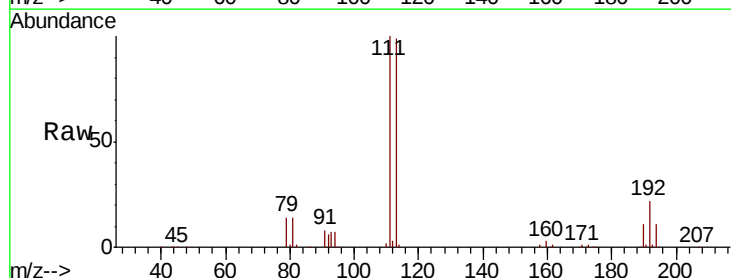


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

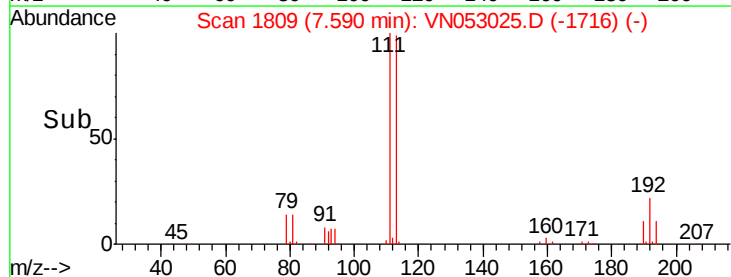
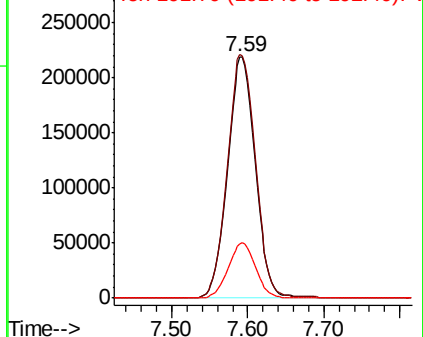


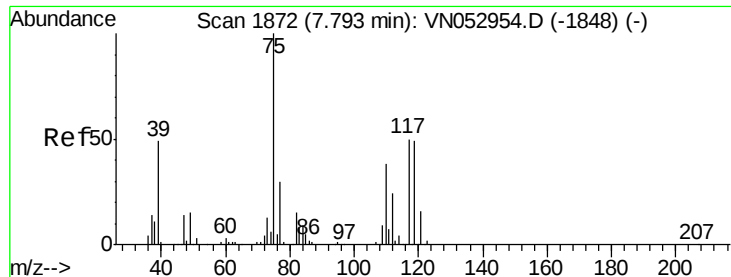
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053025.D
 Acq: 19 Dec 2018 22:23

Tgt Ion:113 Resp: 555166
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.0 124.4
 192 22.5 17.5 26.3



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

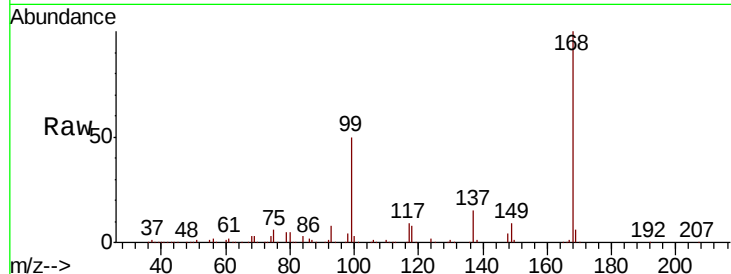




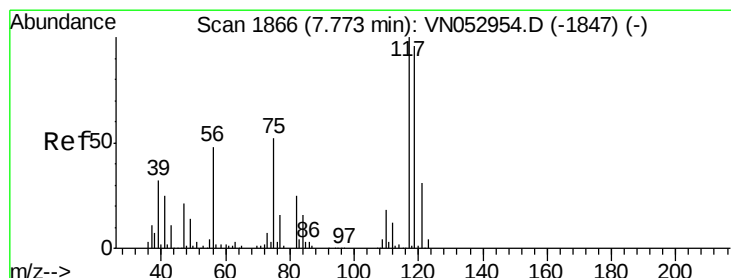
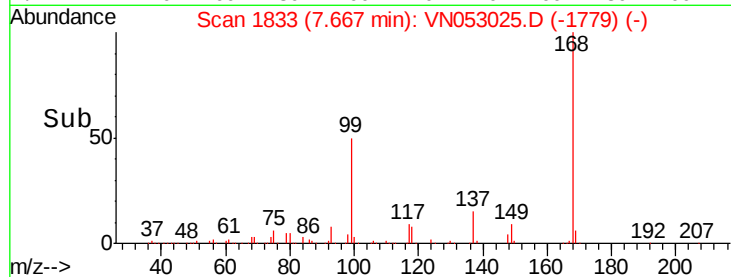
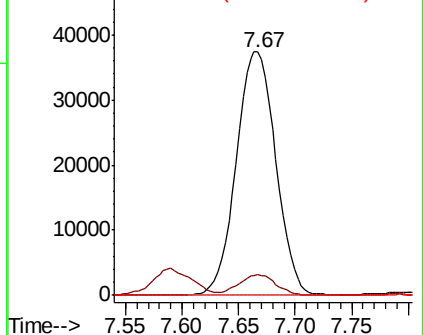
#36
 1,1-Dichloropropene
 Concen: 4.436 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053025.D
 Acq: 19 Dec 2018 22:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBL02

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.2	54.6#
77	0.0	24.9	37.3#

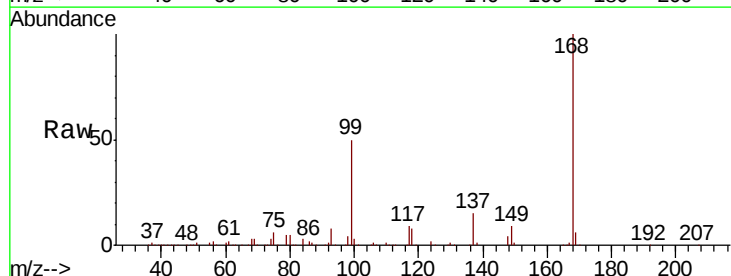


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

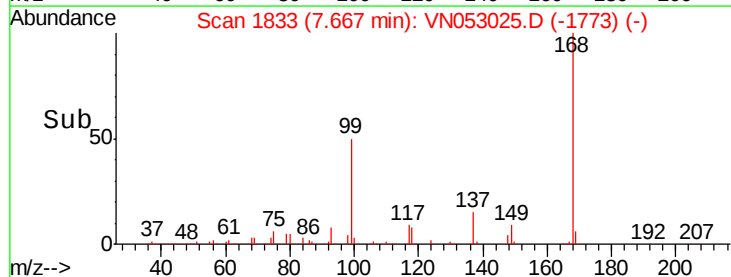
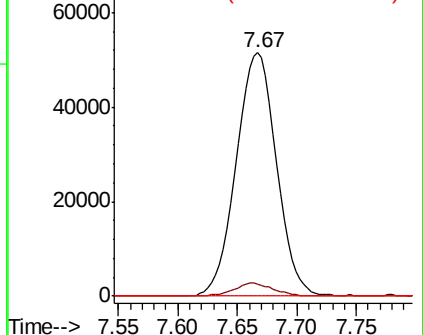


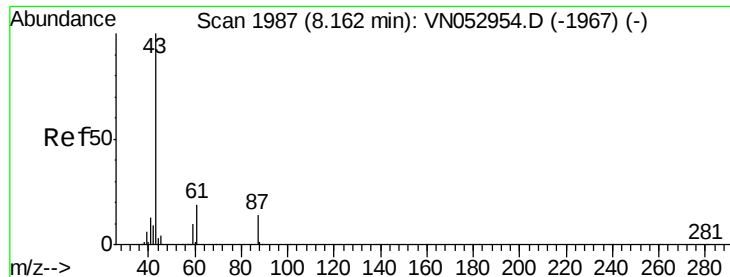
#38
 Carbon Tetrachloride
 Concen: 6.429 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053025.D
 Acq: 19 Dec 2018 22:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.1	115.7#
121	0.0	24.9	37.3#



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: 2.779 ug/l

RT: 8.27 min Scan# 2022

Delta R.T. 0.11 min

Lab File: VN053025.D

Acq: 19 Dec 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBL02

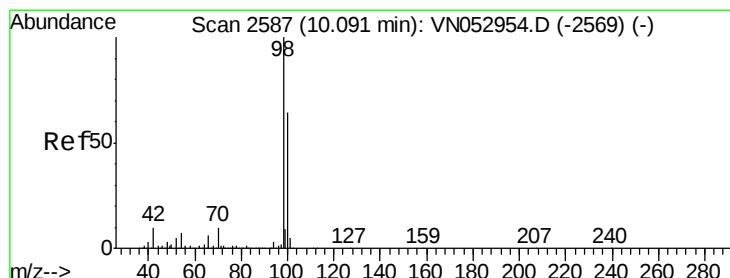
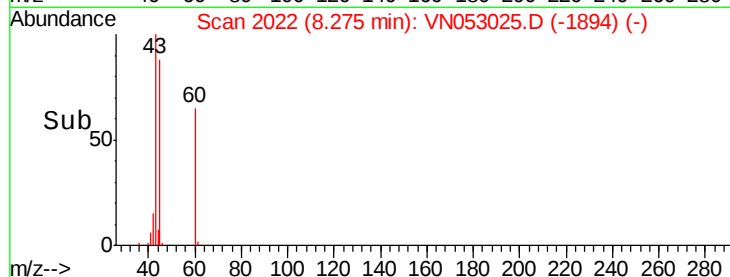
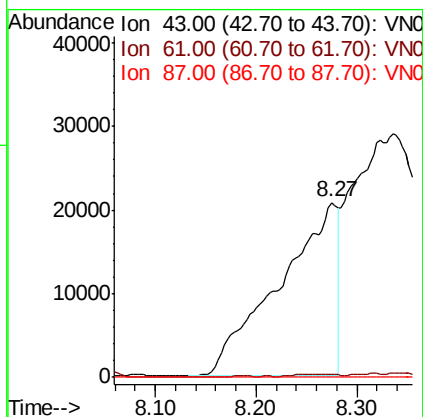
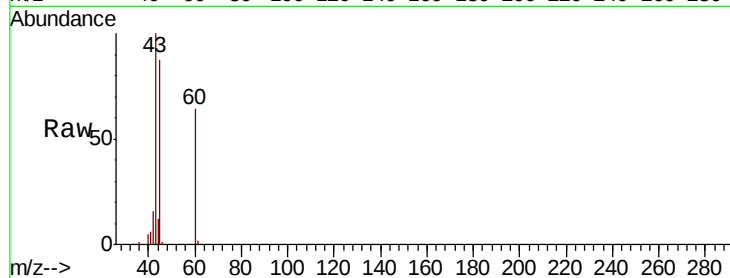
Tot Ion: 43 Resp: 83296

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

87 0.0 10.6 15.8#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053025.D

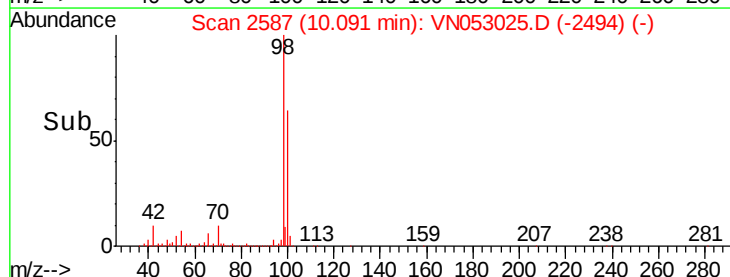
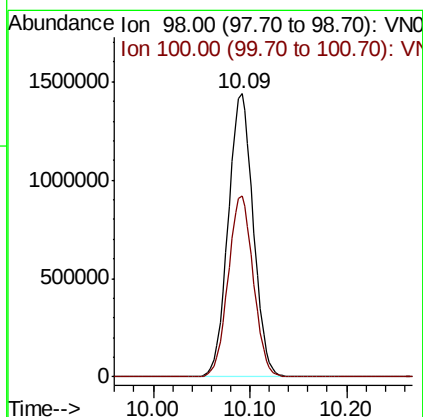
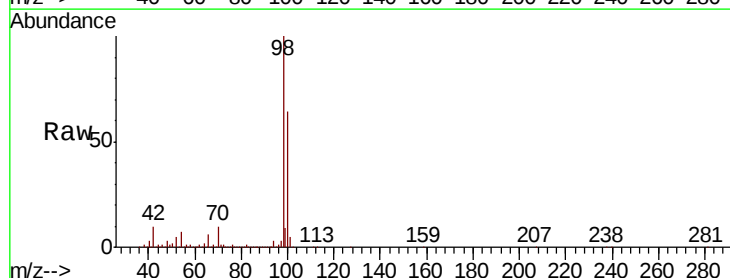
Acq: 19 Dec 2018 22:23

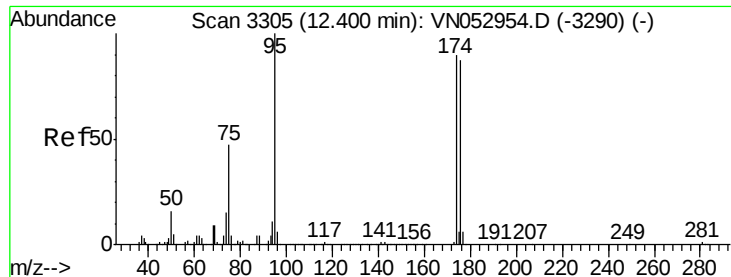
Tgt Ion: 98 Resp: 2586073

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053025.D

Acq: 19 Dec 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBL02

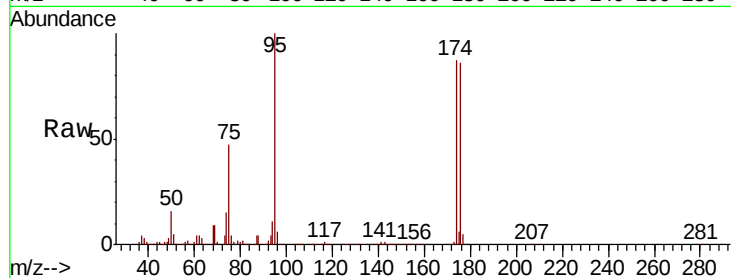
Tot Ion: 95 Resp: 850179

Ion Ratio Lower Upper

95 100

174 88.7 0.0 178.8

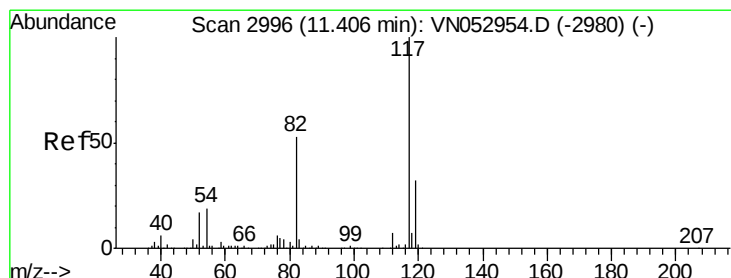
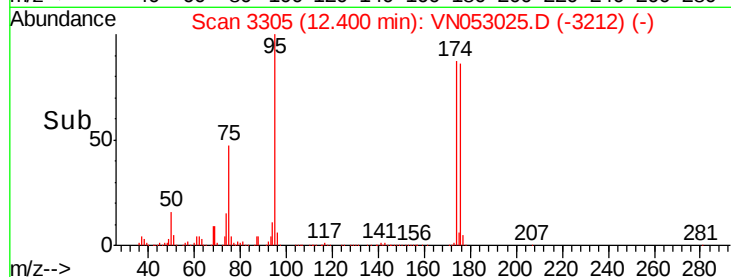
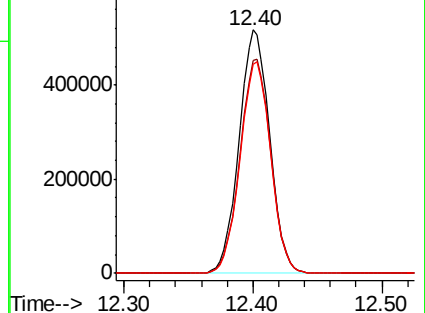
176 86.9 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN053025.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN053025.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN053025.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053025.D

Acq: 19 Dec 2018 22:23

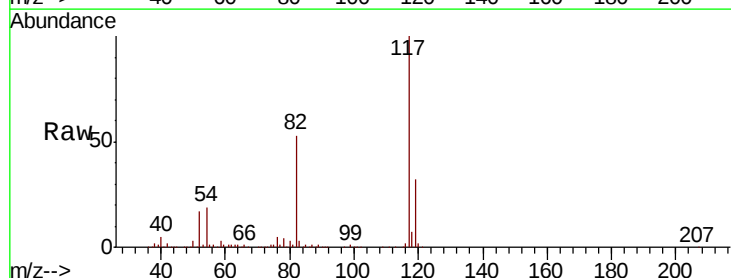
Tgt Ion: 117 Resp: 1891655

Ion Ratio Lower Upper

117 100

82 53.3 42.8 64.2

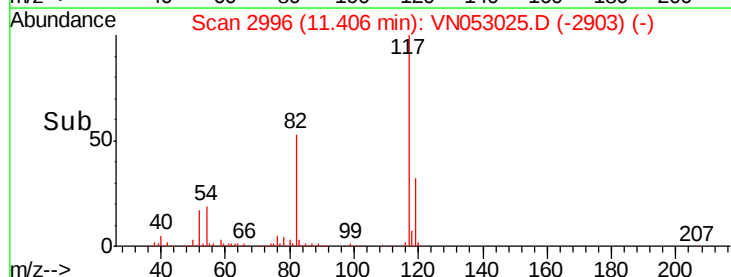
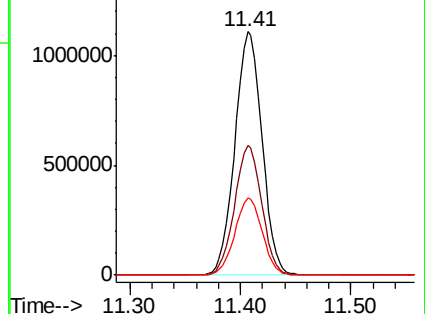
119 31.9 25.5 38.3

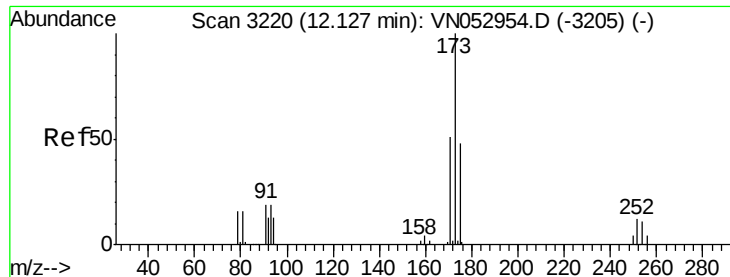


Abundance Ion 116.90 (116.60 to 117.60): VN053025.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN053025.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN053025.D (-2903) (-)





#71

Bromoform

Concen: 0.446 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053025.D

Acq: 19 Dec 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBL02

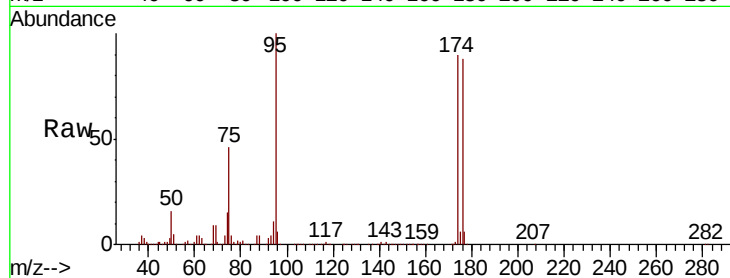
Tot Ion:173 Resp: 4696

Ion Ratio Lower Upper

173 100

175 1025.1 24.3 72.9#

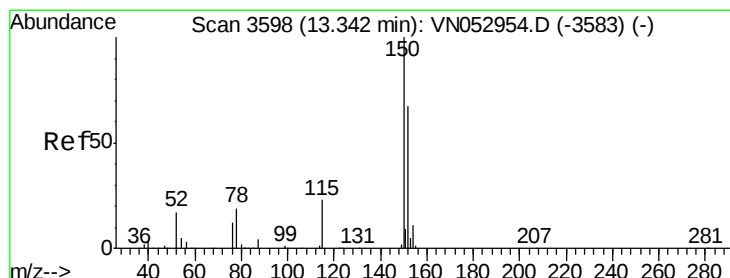
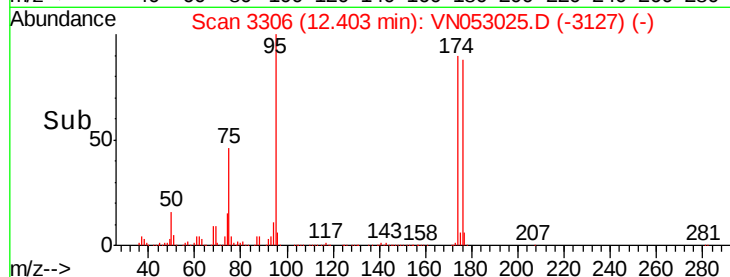
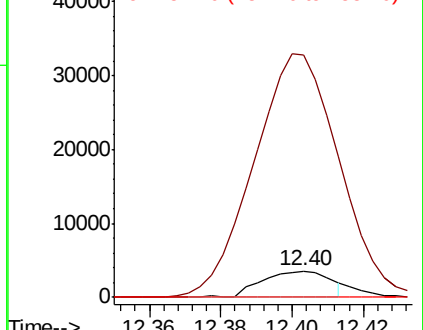
254 0.0 0.1 0.1#



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: VN053025.D

Acq: 19 Dec 2018 22:23

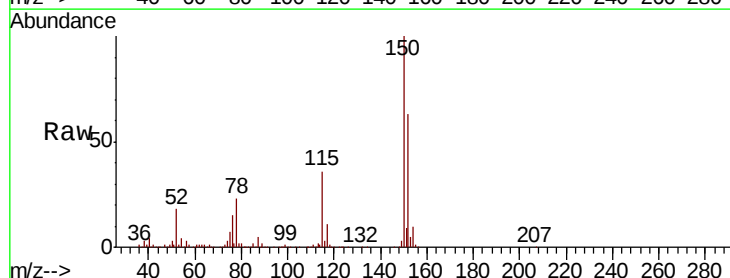
Tgt Ion:152 Resp: 754369

Ion Ratio Lower Upper

152 100

115 56.2 28.3 85.0

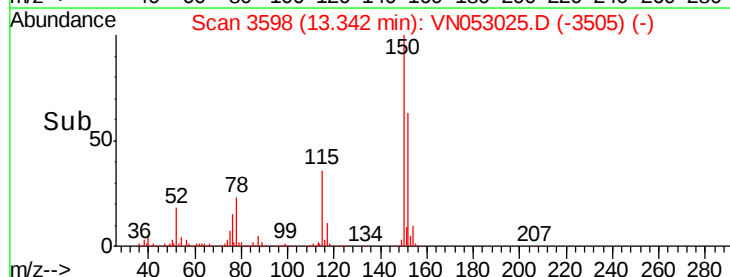
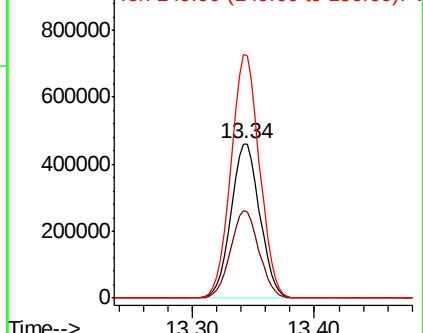
150 157.0 0.0 347.8

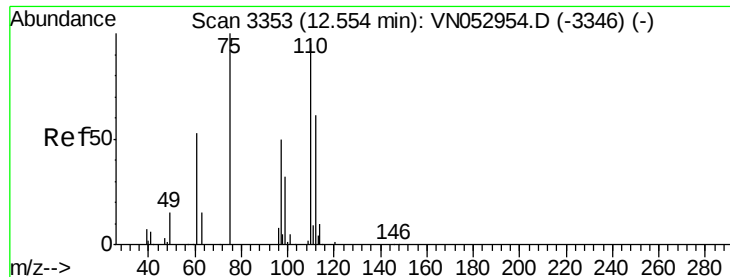


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.707 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053025.D

Acq: 19 Dec 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

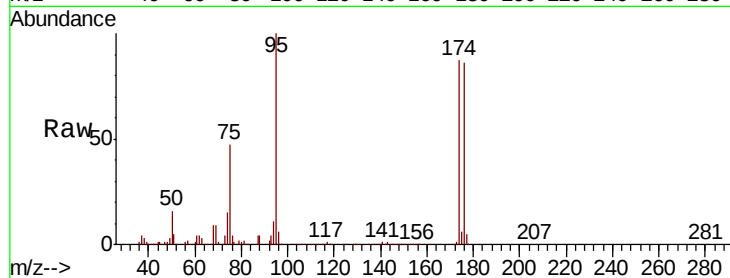
VN1219MBL02

Tot Ion: 75 Resp: 389954

Ion Ratio Lower Upper

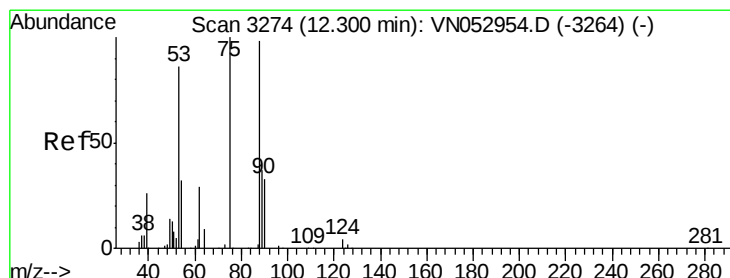
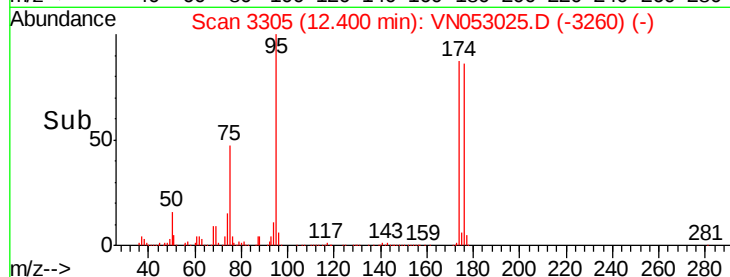
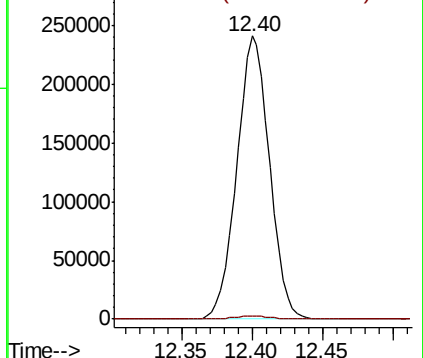
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 98.974 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053025.D

Acq: 19 Dec 2018 22:23

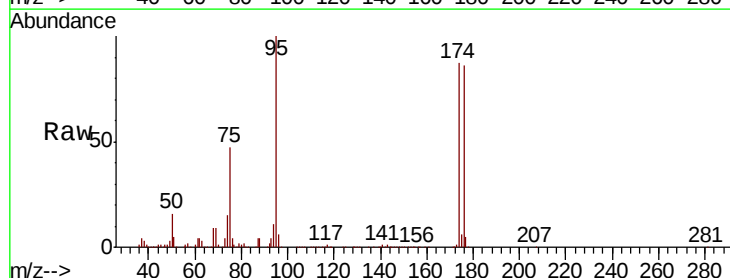
Tgt Ion: 75 Resp: 389954

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

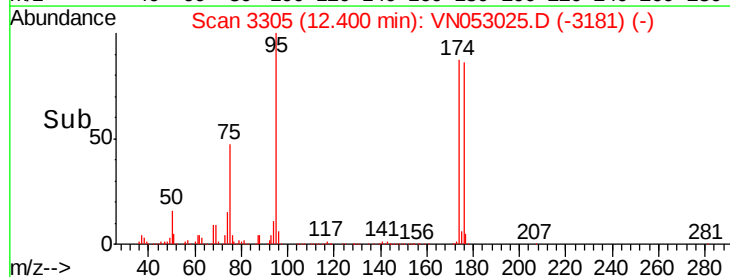
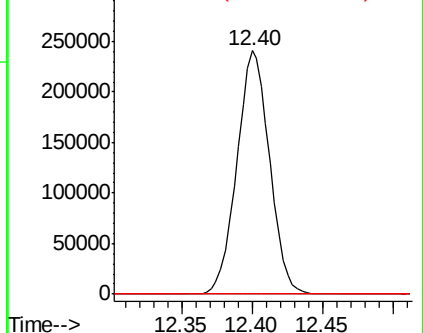
89 0.0 36.1 54.1#

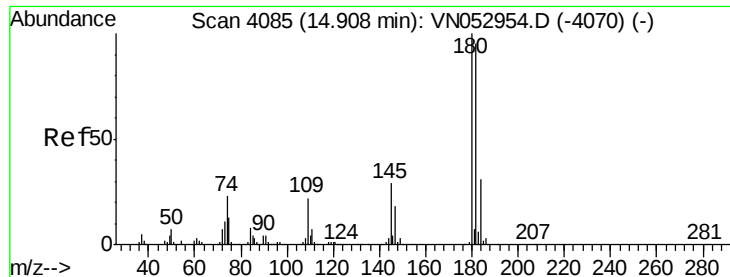


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

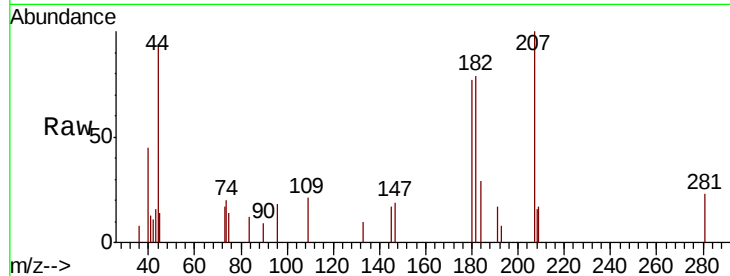




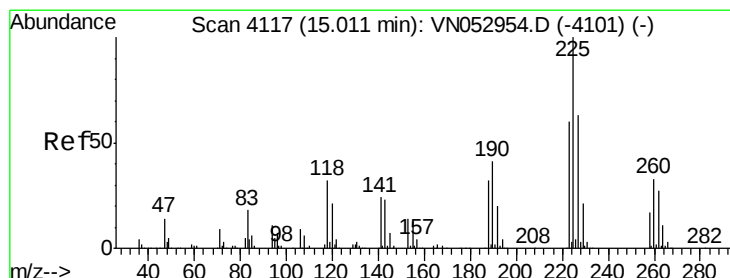
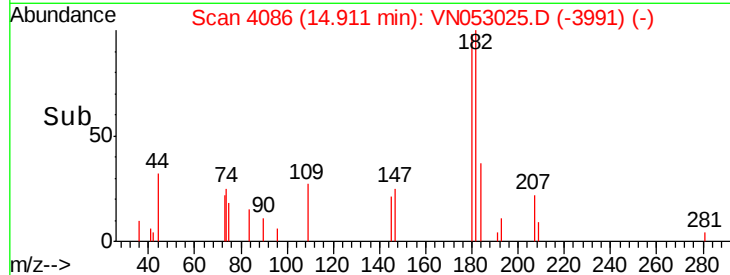
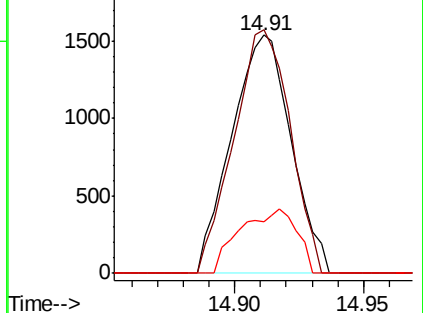
#93
 1,2,4-Trichlorobenzene
 Concen: 0.777 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053025.D
 Acq: 19 Dec 2018 22:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219MBL02

Tot Ion:180 Resp: 2477
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.8 143.3
 145 25.7 14.2 42.6

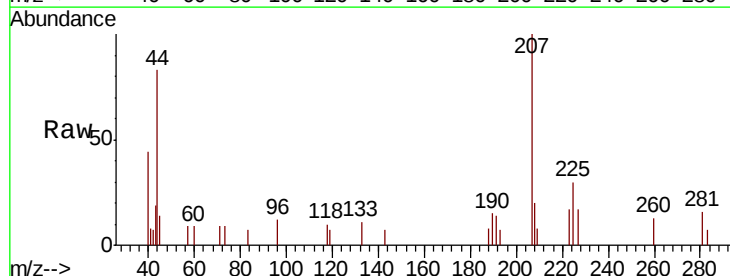


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

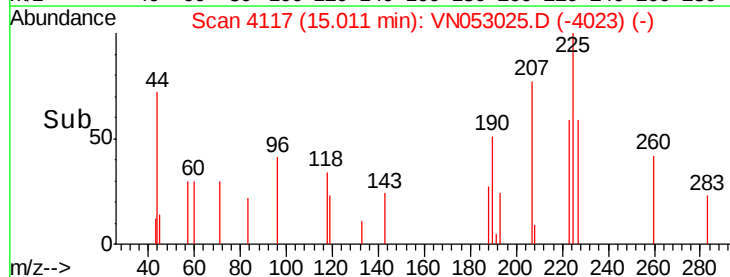
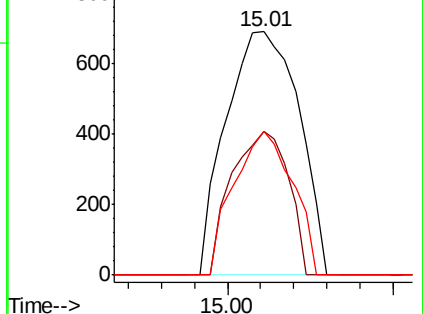


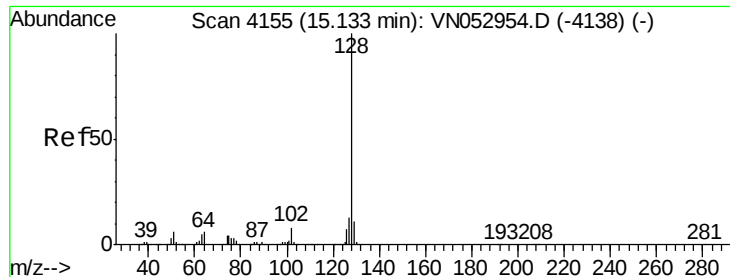
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053025.D
 Acq: 19 Dec 2018 22:23

Tgt Ion:225 Resp: 1059
 Ion Ratio Lower Upper
 225 100
 223 45.6 31.5 94.5
 227 47.5 31.9 95.7



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: 1.398 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053025.D

Acq: 19 Dec 2018 22:23

Instrument :

MSVOA_N

ClientSampleId :

VN1219MBL02

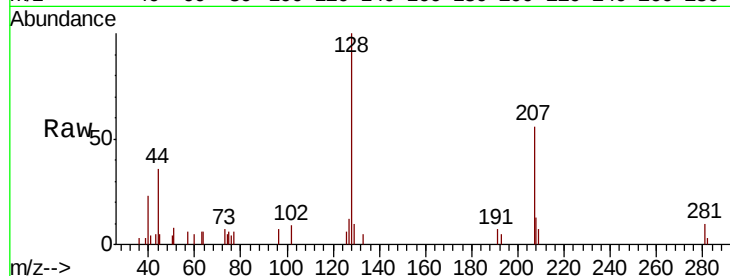
Tot Ion:128 Resp: 7635

Ion Ratio Lower Upper

128 100

127 14.4 10.2 15.4

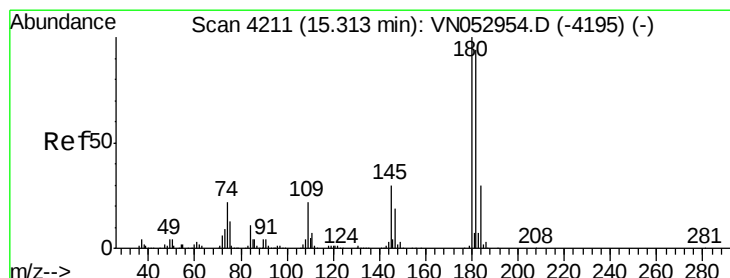
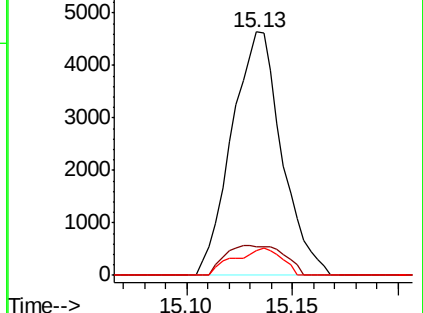
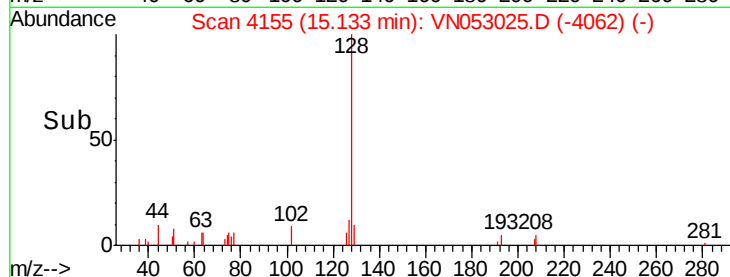
129 10.6 8.6 13.0



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: 0.728 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053025.D

Acq: 19 Dec 2018 22:23

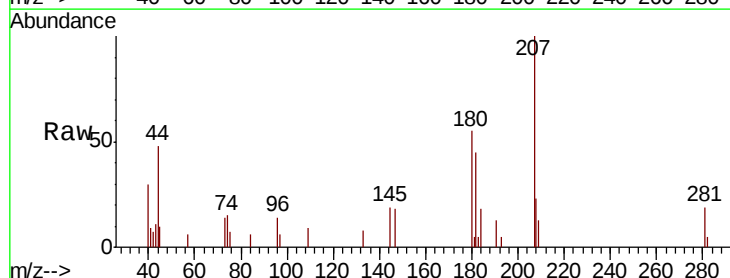
Tgt Ion:180 Resp: 2715

Ion Ratio Lower Upper

180 100

182 105.1 47.9 143.7

145 42.1 15.0 45.0



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

