

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\
 Data File : VN055274.D
 Acq On : 26 Apr 2019 14:25
 Operator : JC/SP
 Sample : K2576-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DRW-2

Quant Time: Apr 27 02:00:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	371656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	638744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	559836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	133804	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	259441	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
35) Dibromofluoromethane	7.59	113	214877	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	10.09	98	789581	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.40	95	217378	42.70	ug/l	0.00
Spiked Amount			Recovery	=	85.40%	

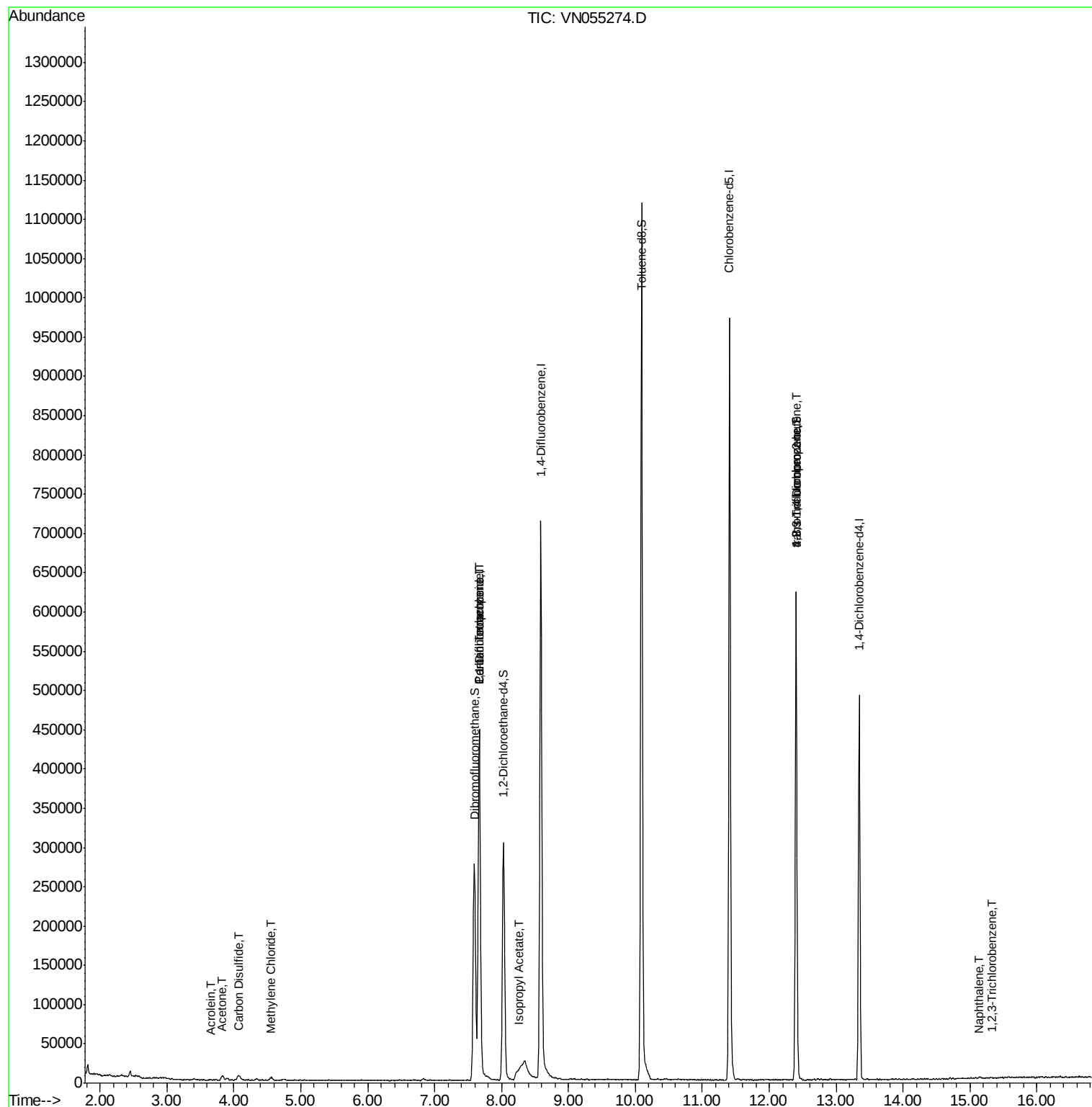
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.65	56	31	9.577	ug/l #	14
16) Acetone	3.83	43	8872	5.335	ug/l	94
17) Carbon Disulfide	4.06	76	4049	0.379	ug/l #	75
18) Methyl Acetate	4.34	43	3898	Below Cal	#	66
20) Methylene Chloride	4.55	84	2267	0.474	ug/l #	85
31) Cyclohexane	7.67	56	8423	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	29127	4.913	ug/l #	50
38) Carbon Tetrachloride	7.67	117	36127	6.507	ug/l #	17
43) Isopropyl Acetate	8.25	43	13781	1.779	ug/l #	56
73) Isopropylbenzene	12.25	105	389	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.40	83	29	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	111504	41.077	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	111504	155.715	ug/l #	5
83) tert-Butylbenzene	13.00	119	127	Below Cal	#	25
95) Naphthalene	15.12	128	190	3.432	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	212	2.227	ug/l #	37

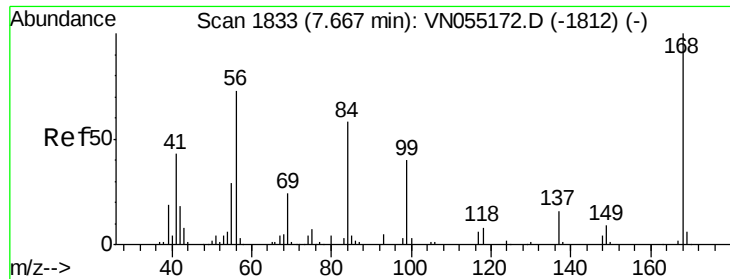
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055274.D

Acq: 26 Apr 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

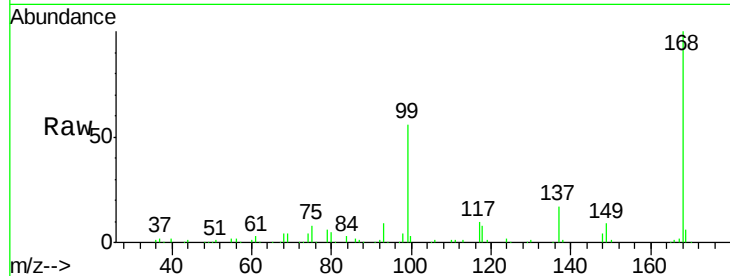
DRW-2

Tot Ion:168 Resp: 371656

Ion Ratio Lower Upper

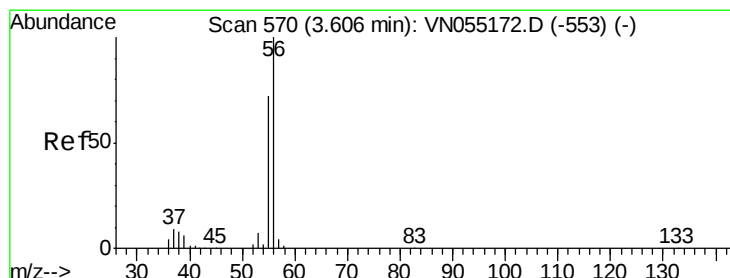
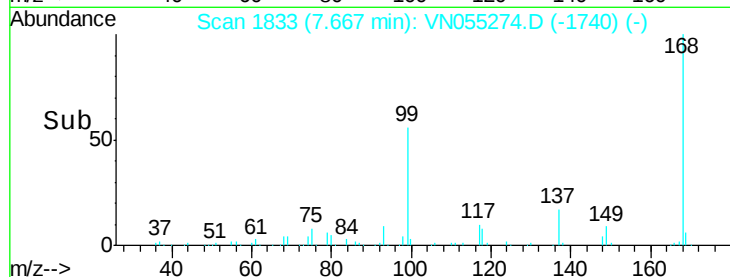
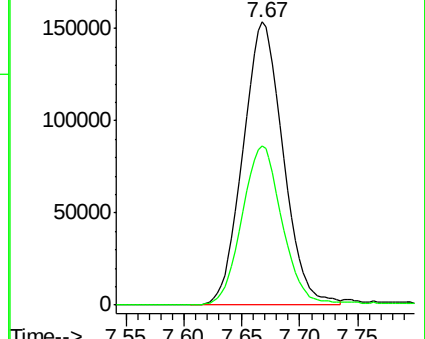
168 100

99 56.1 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#13

Acrolein

Concen: 9.577 ug/l

RT: 3.65 min Scan# 584

Delta R.T. 0.05 min

Lab File: VN055274.D

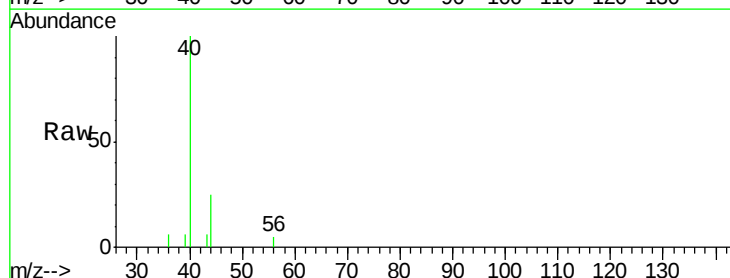
Acq: 26 Apr 2019 14:25

Tgt Ion: 56 Resp: 31

Ion Ratio Lower Upper

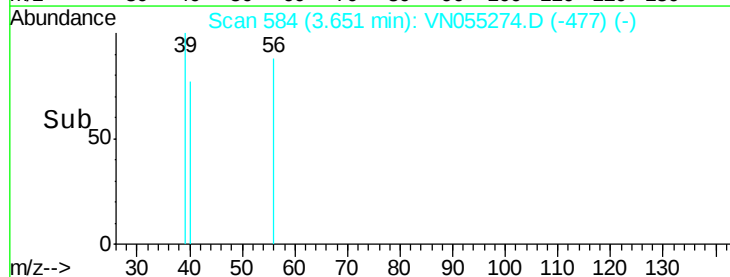
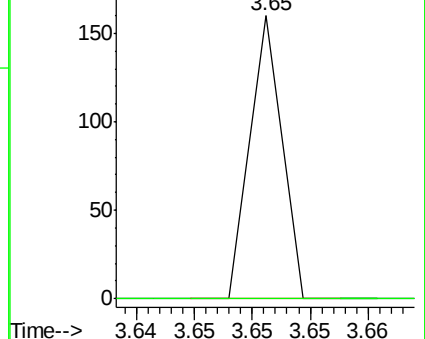
56 100

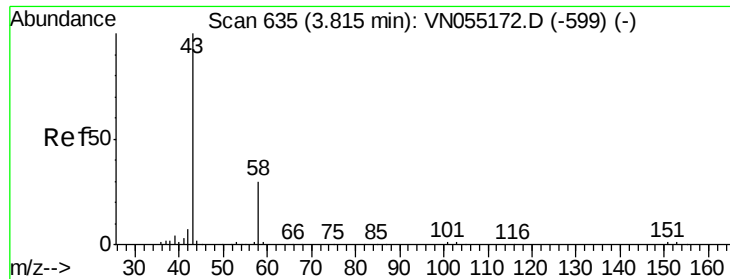
55 0.0 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO





#16

Acetone

Concen: 5.335 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN055274.D

Acq: 26 Apr 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

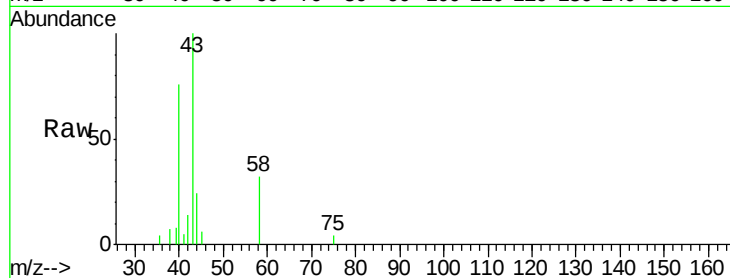
DRW-2

Tot Ion: 43 Resp: 8872

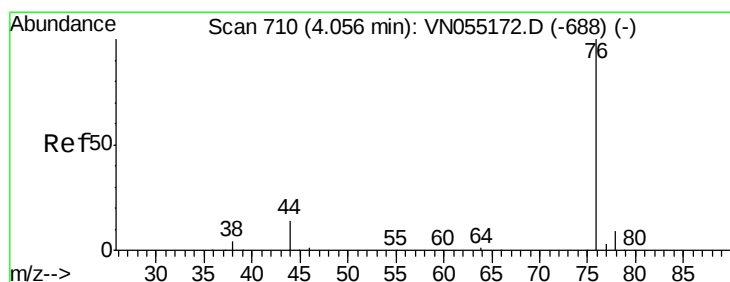
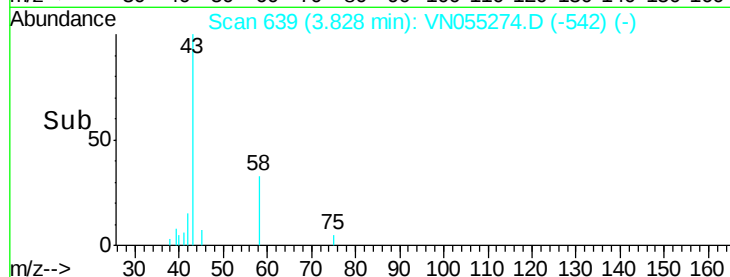
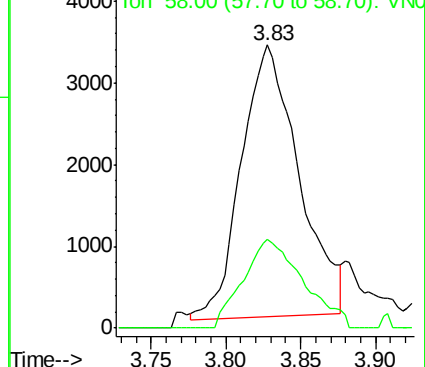
Ion Ratio Lower Upper

43 100

58 33.3 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-599) (-)



#17

Carbon Disulfide

Concen: 0.379 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.01 min

Lab File: VN055274.D

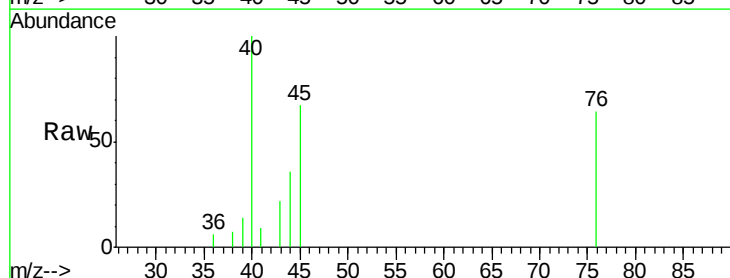
Acq: 26 Apr 2019 14:25

Tgt Ion: 76 Resp: 4049

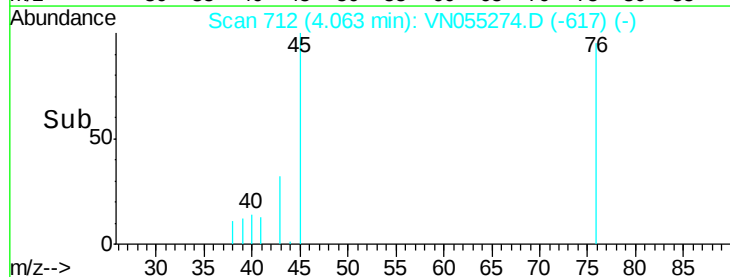
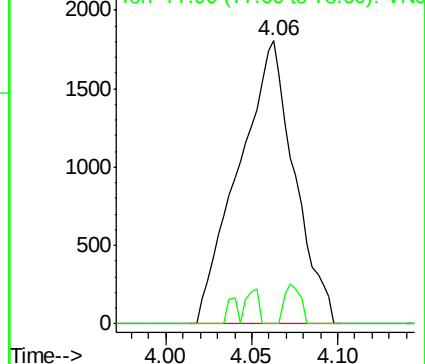
Ion Ratio Lower Upper

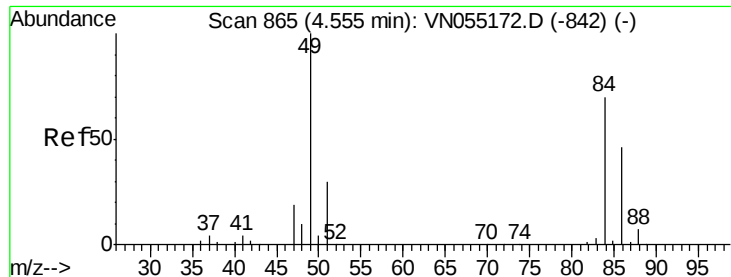
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN055172.D (-688) (-)

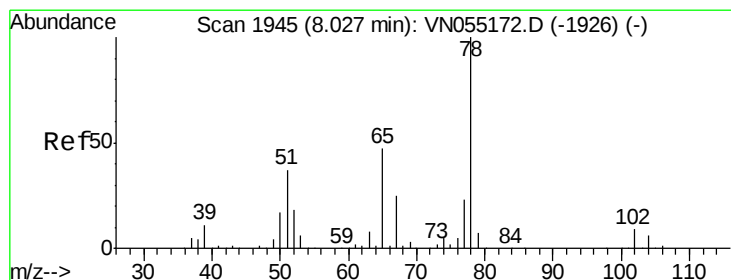
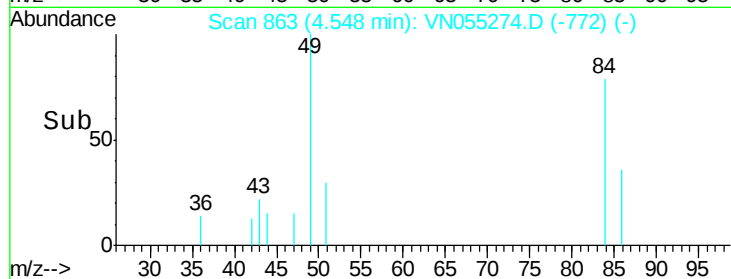
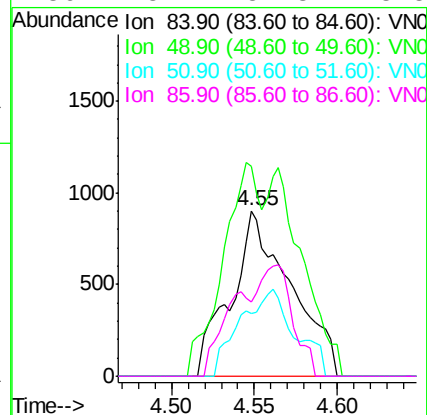
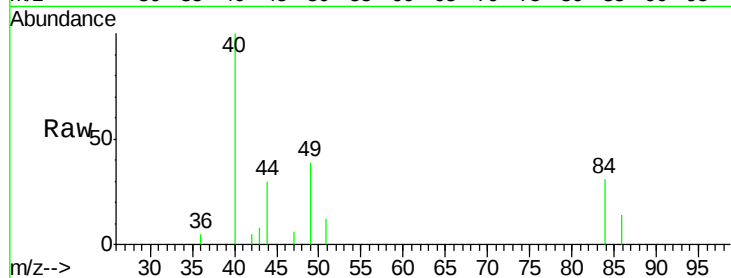




#20
Methvlene Chloride
Concen: 0.474 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN055274.D
Acq: 26 Apr 2019 14:25

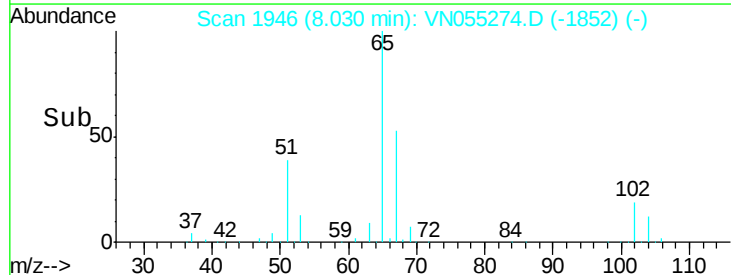
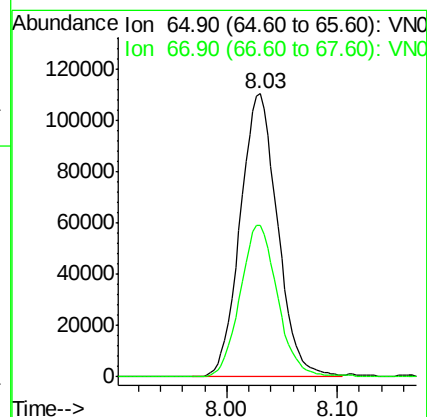
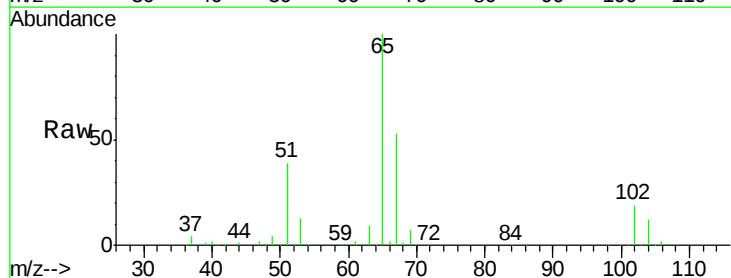
Instrument :
MSVOA_N
ClientSampleId :
DRW-2

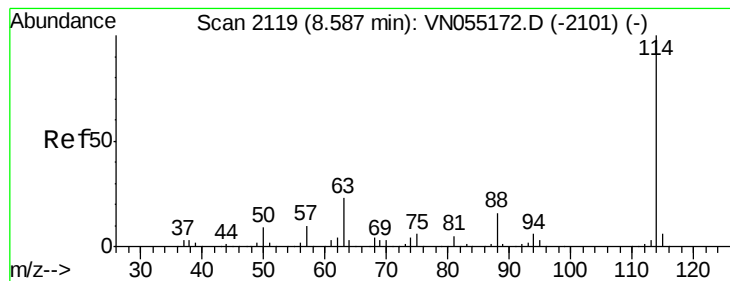
Tot Ion: 84 Resp: 2267
Ion Ratio Lower Upper
84 100
49 126.6 113.8 170.6
51 37.7 34.0 51.0
86 45.2 52.3 78.5#



#33
1,2-Dichloroethane-d4
Concen: 51.574 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN055274.D
Acq: 26 Apr 2019 14:25

Tgt Ion: 65 Resp: 259441
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055274.D

Acq: 26 Apr 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

DRW-2

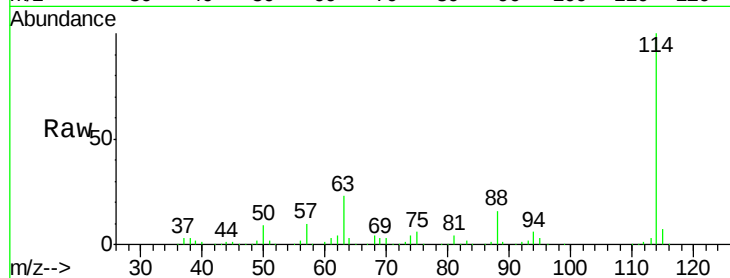
Tot Ion:114 Resp: 638744

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.2

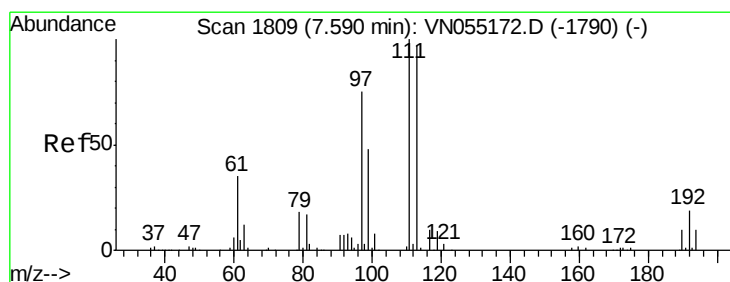
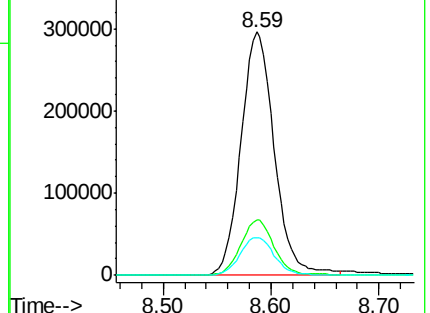
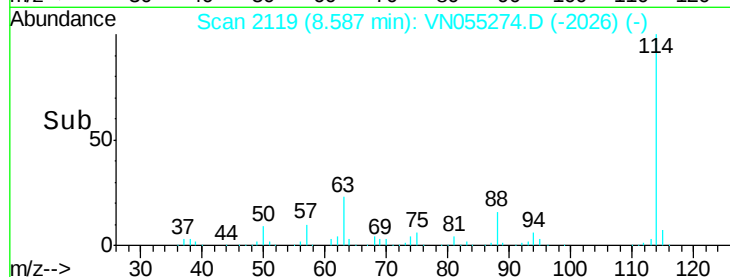
88 15.6 0.0 32.8



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: 49.519 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055274.D

Acq: 26 Apr 2019 14:25

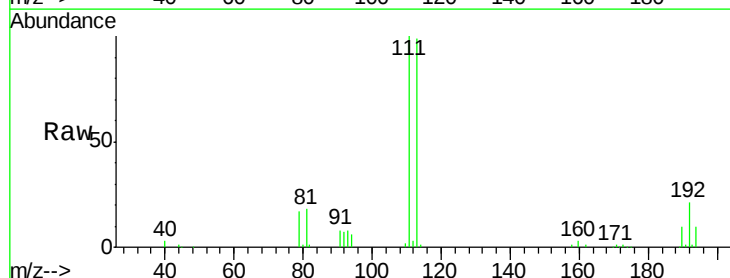
Tgt Ion:113 Resp: 214877

Ion Ratio Lower Upper

113 100

111 101.2 81.0 121.4

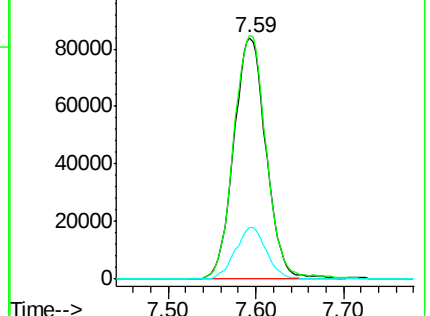
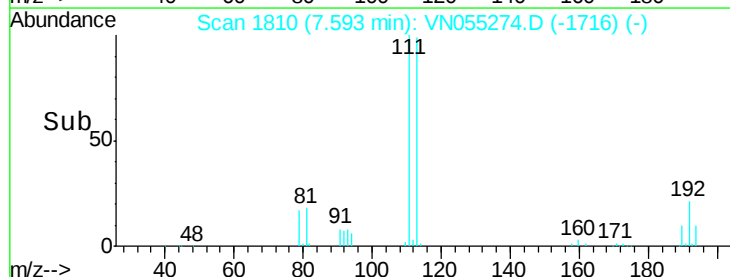
192 20.7 16.2 24.4

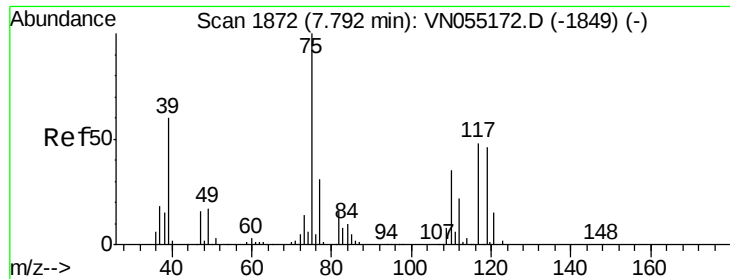


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

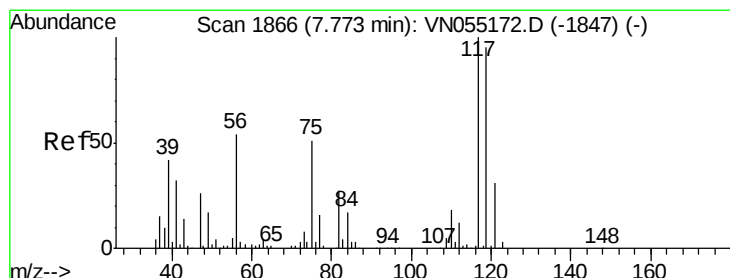
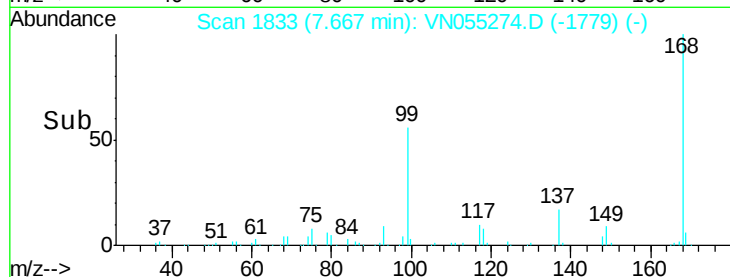
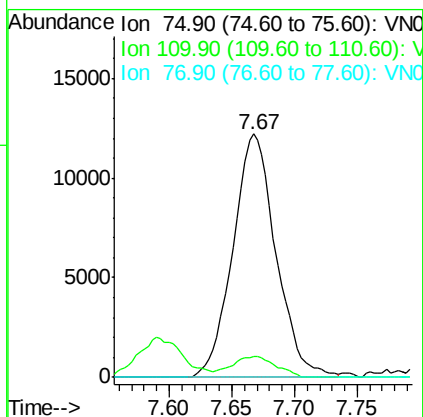
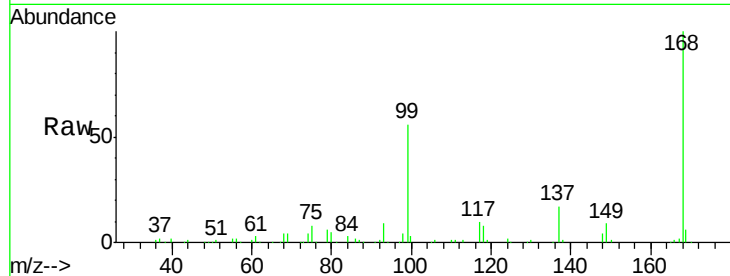




#36
 1,1-Dichloropropene
 Concen: 4.913 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055274.D
 Acq: 26 Apr 2019 14:25

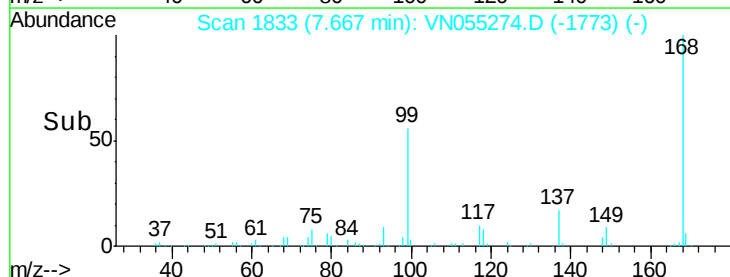
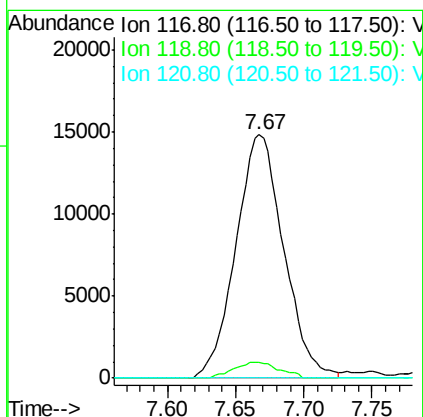
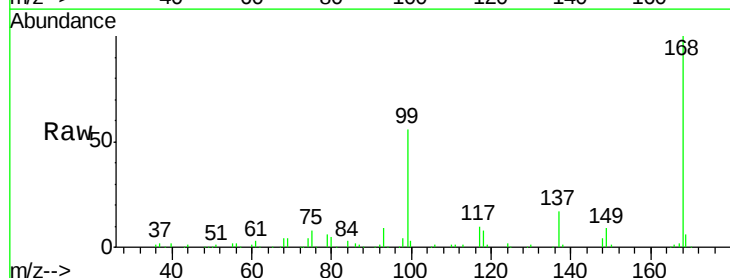
Instrument :
 MSVOA_N
 ClientSampleId :
 DRW-2

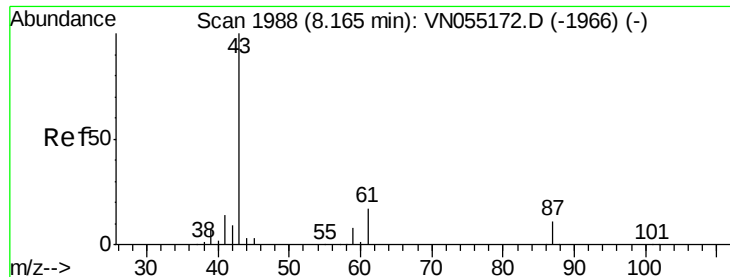
Tot Ion: 75 Resp: 29127
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.1 51.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.507 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055274.D
 Acq: 26 Apr 2019 14:25

Tgt Ion: 117 Resp: 36127
 Ion Ratio Lower Upper
 117 100
 119 6.2 76.0 114.0#
 121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 1.779 ug/l

RT: 8.25 min Scan# 2015

Delta R.T. 0.09 min

Lab File: VN055274.D

Acq: 26 Apr 2019 14:25

Instrument :

MSVOA_N

ClientSampled :

DRW-2

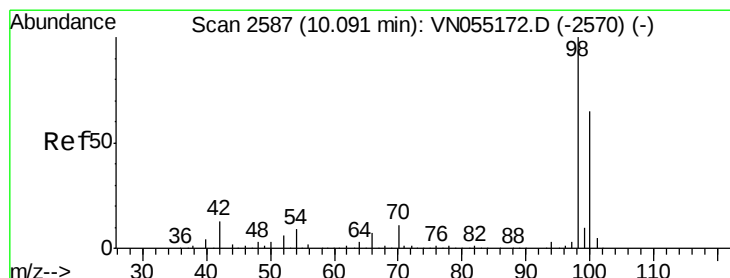
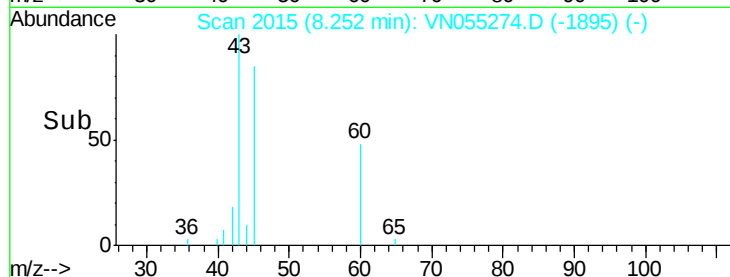
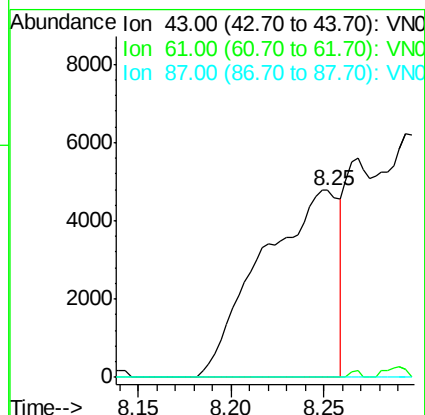
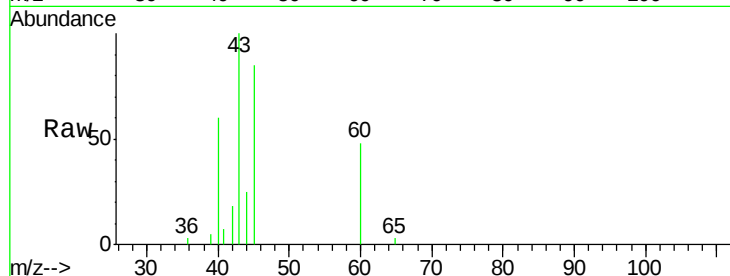
Tot Ion: 43 Resp: 13781

Ion Ratio Lower Upper

43 100

61 0.0 20.6 30.8#

87 0.0 8.8 13.2#



#50

Toluene-d8

Concen: 49.110 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055274.D

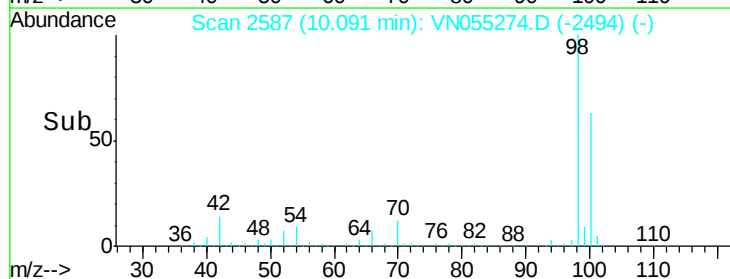
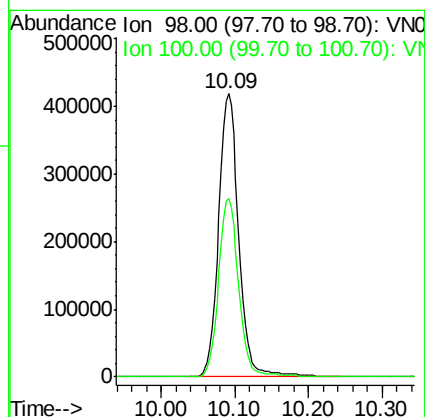
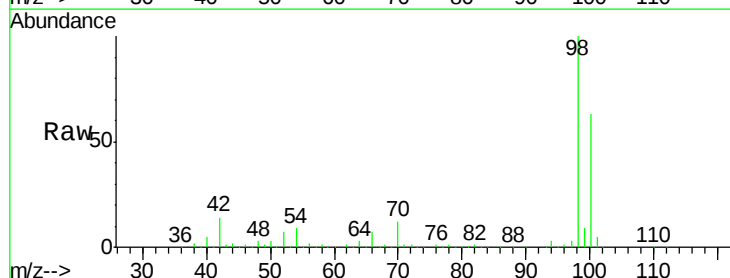
Acq: 26 Apr 2019 14:25

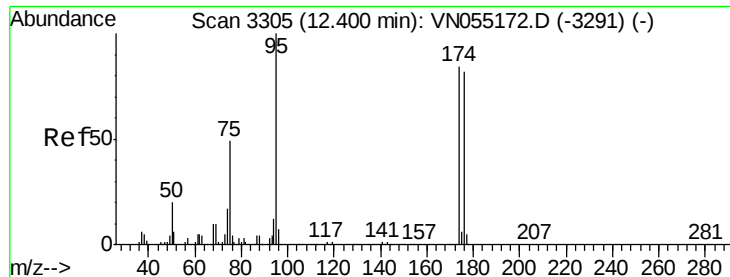
Tgt Ion: 98 Resp: 789581

Ion Ratio Lower Upper

98 100

100 63.2 51.8 77.6





#62

4-Bromofluorobenzene

Concen: 42.695 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055274.D

Acq: 26 Apr 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

DRW-2

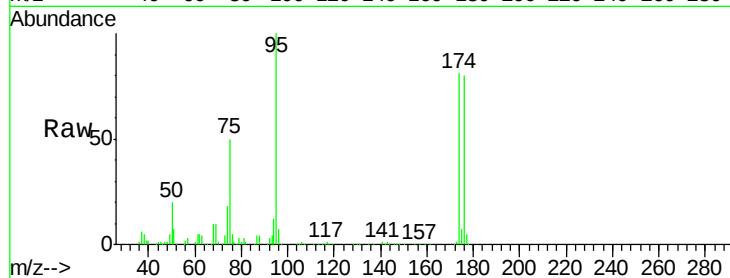
Tot Ion: 95 Resp: 217378

Ion Ratio Lower Upper

95 100

174 83.4 0.0 168.4

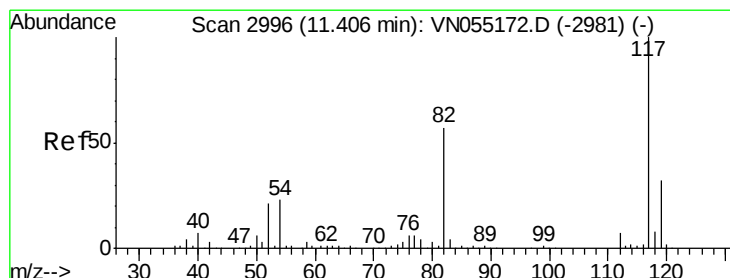
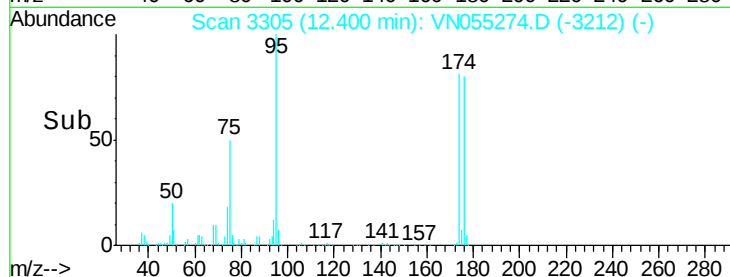
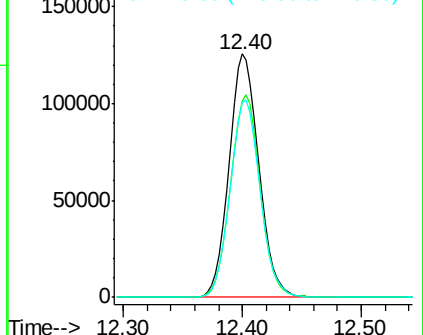
176 81.6 0.0 164.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055274.D

Acq: 26 Apr 2019 14:25

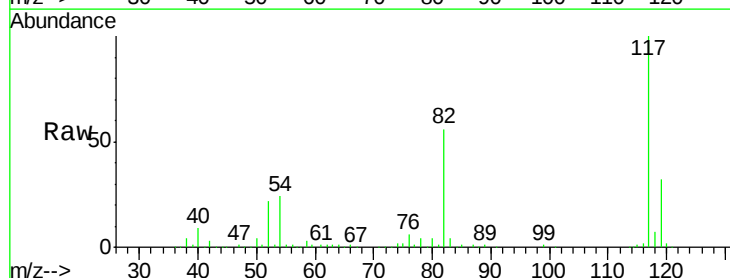
Tgt Ion: 117 Resp: 559836

Ion Ratio Lower Upper

117 100

82 56.1 45.7 68.5

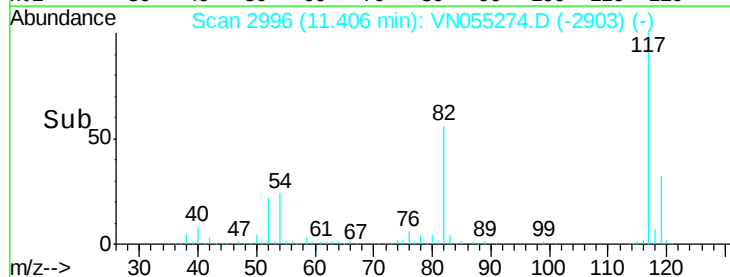
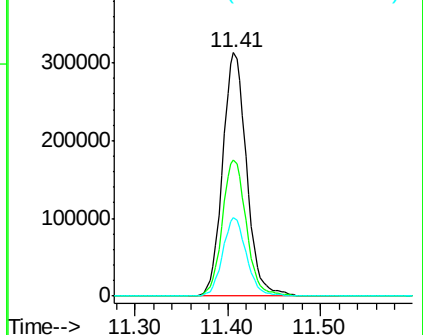
119 32.1 25.4 38.2

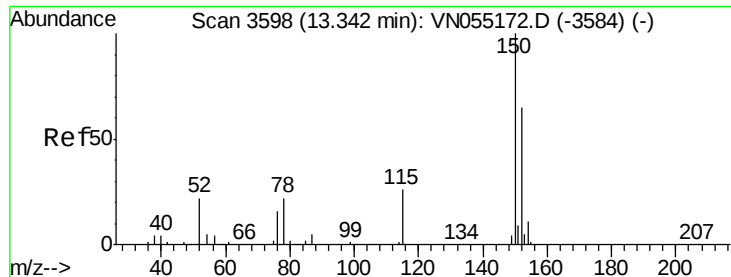


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055274.D

Acq: 26 Apr 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

DRW-2

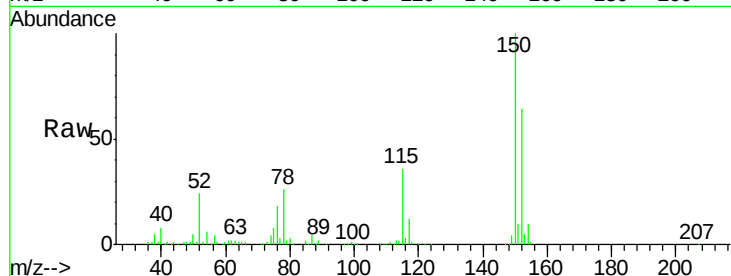
Tot Ion:152 Resp: 133804

Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.7

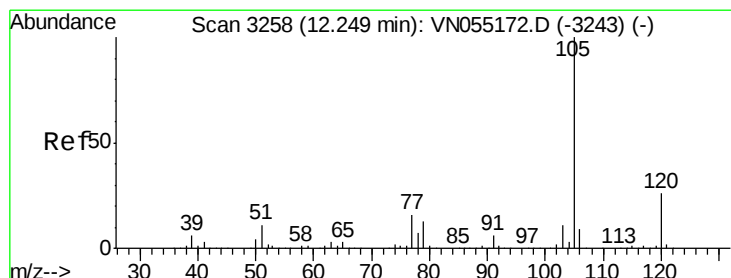
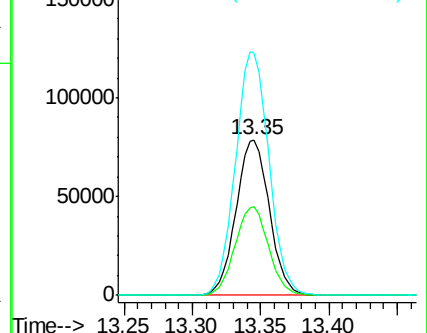
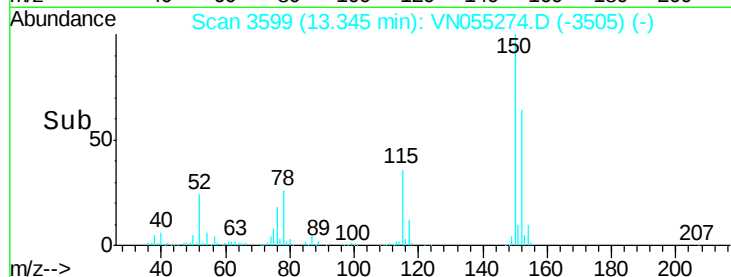
150 157.3 0.0 346.6



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055274.D

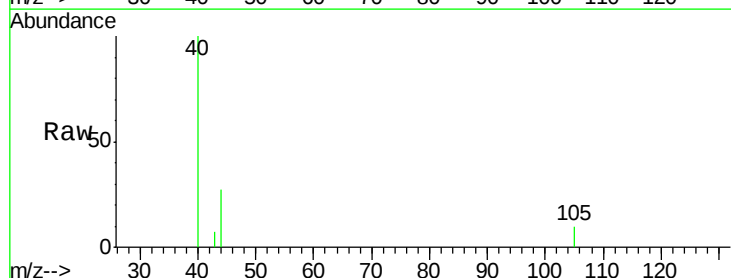
Acq: 26 Apr 2019 14:25

Tgt Ion:105 Resp: 389

Ion Ratio Lower Upper

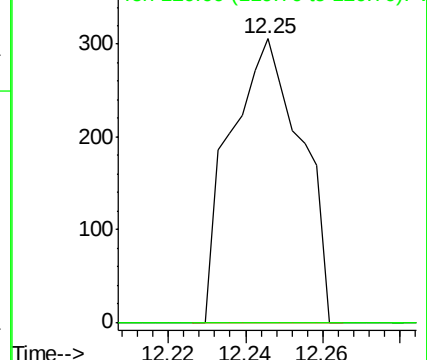
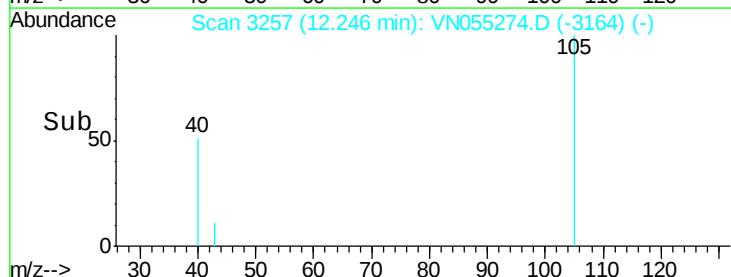
105 100

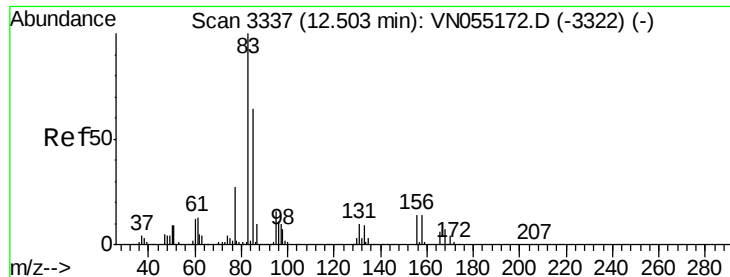
120 0.0 13.1 39.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN055274.D

Acq: 26 Apr 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

DRW-2

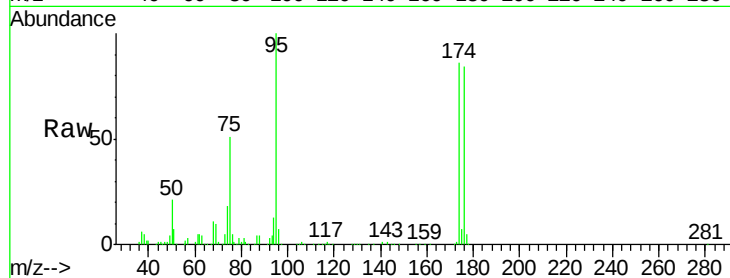
Tot Ion: 83 Resp: 29

Ion Ratio Lower Upper

83 100

131 703.4 5.0 15.0#

85 0.0 32.1 96.3#

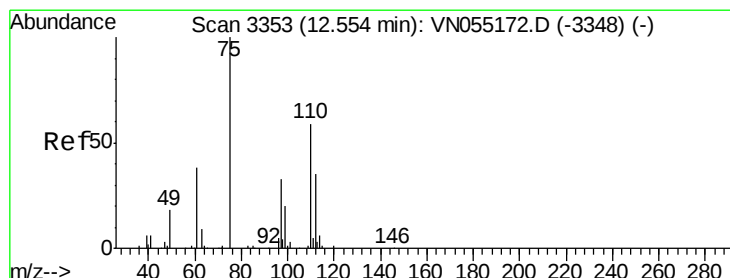
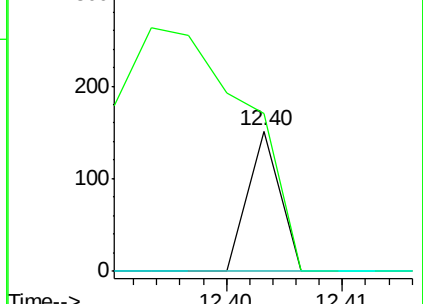
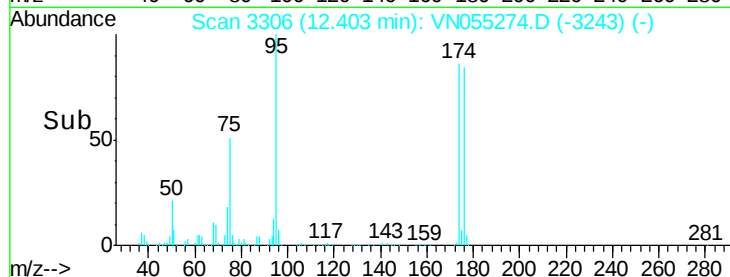


Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC

Time-->



#76

1,2,3-Trichloropropane

Concen: 41.077 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN055274.D

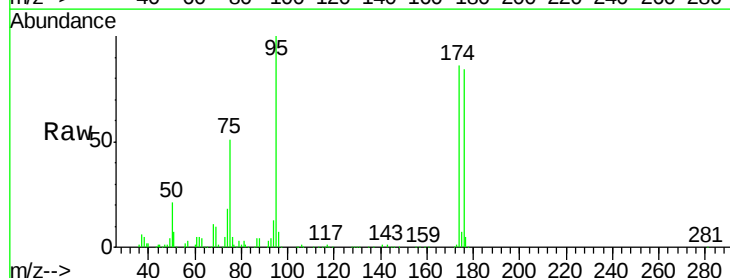
Acq: 26 Apr 2019 14:25

Tgt Ion: 75 Resp: 111504

Ion Ratio Lower Upper

75 100

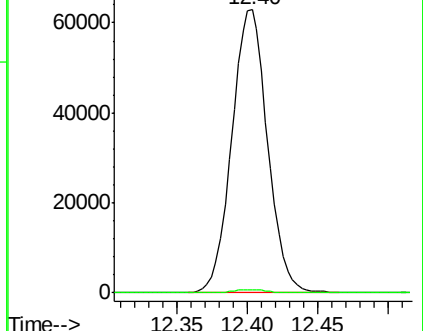
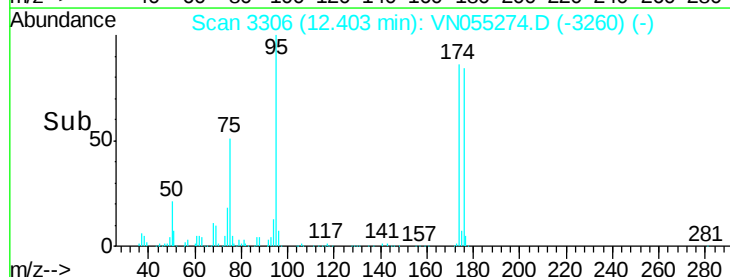
77 1.1 0.0 0.0#

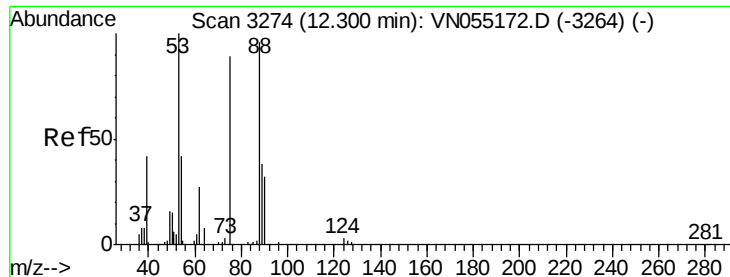


Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 155.715 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN055274.D

Acq: 26 Apr 2019 14:25

Instrument :

MSVOA_N

ClientSampled :

DRW-2

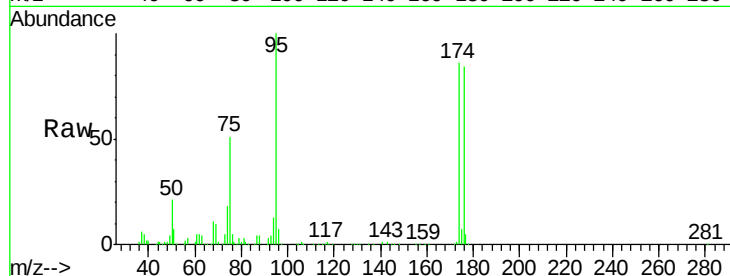
Tot Ion: 75 Resp: 111504

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

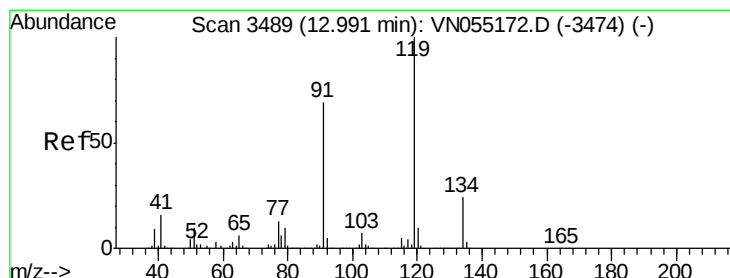
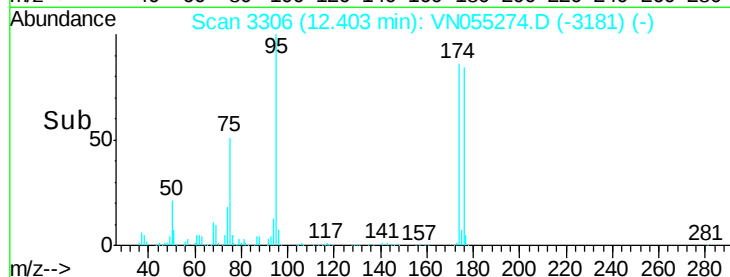
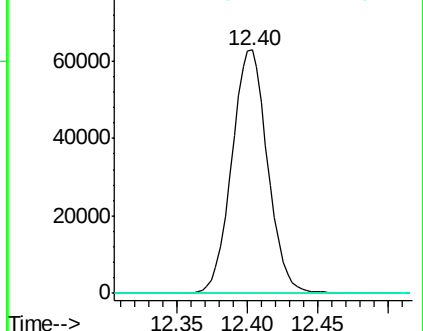
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN055274.D (-3306) (-)

Ion 53.00 (52.70 to 53.70): VN055274.D (-3306) (-)

Ion 88.90 (88.60 to 89.60): VN055274.D (-3306) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.00 min Scan# 3491

Delta R.T. 0.01 min

Lab File: VN055274.D

Acq: 26 Apr 2019 14:25

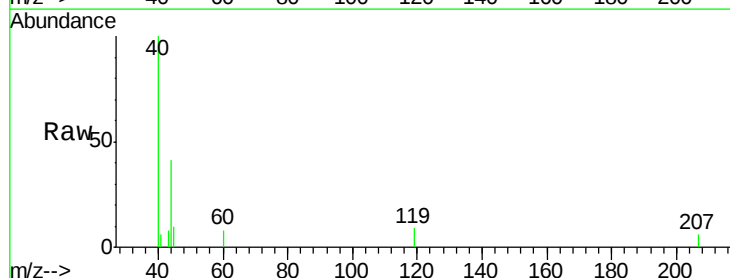
Tgt Ion: 119 Resp: 127

Ion Ratio Lower Upper

119 100

91 0.0 33.8 101.3#

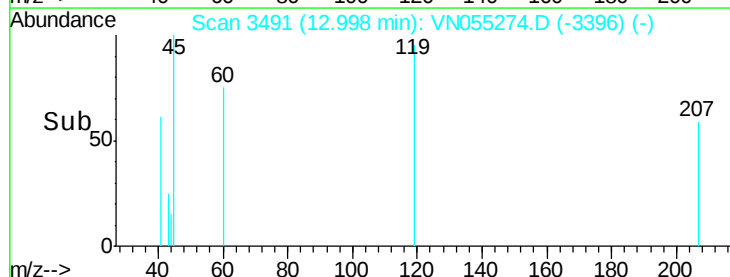
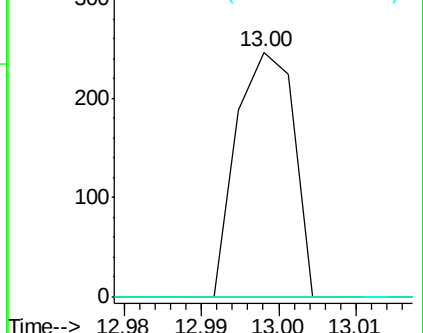
134 0.0 13.2 39.5#

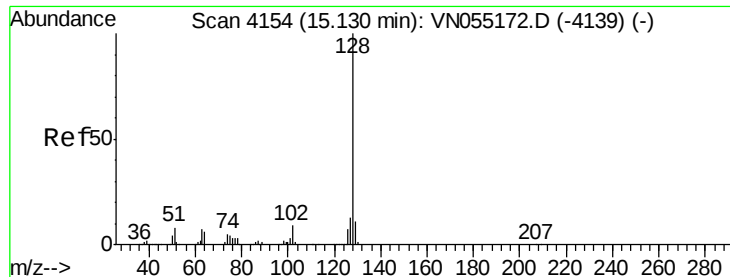


Abundance Ion 119.00 (118.70 to 119.70): VN055274.D (-3489) (-)

Ion 91.00 (90.70 to 91.70): VN055274.D (-3489) (-)

Ion 134.00 (133.70 to 134.70): VN055274.D (-3489) (-)





#95

Naphthalene

Concen: 3.432 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN055274.D

Acq: 26 Apr 2019 14:25

Instrument :

MSVOA_N

ClientSampleId :

DRW-2

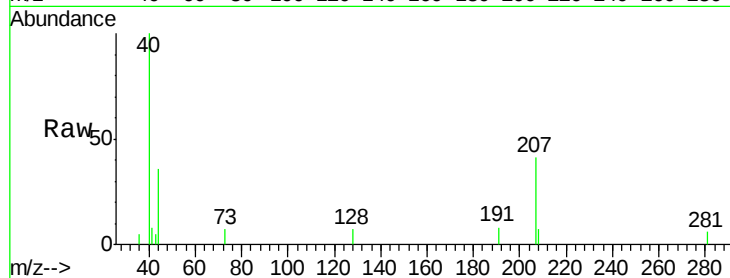
Tot Ion:128 Resp: 190

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

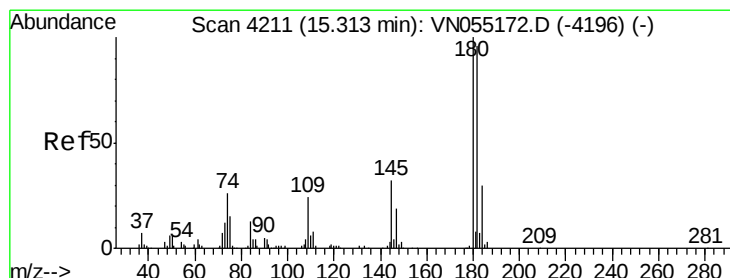
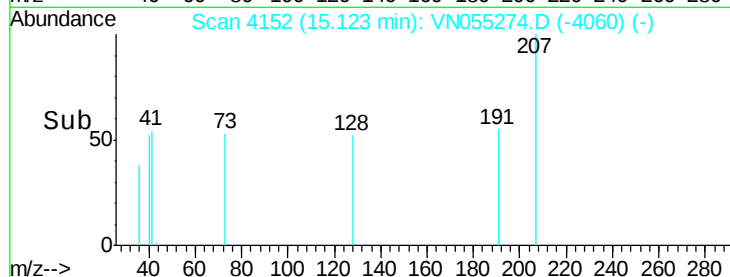
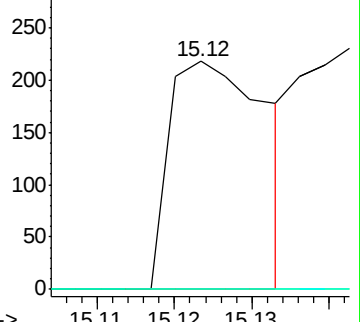
129 0.0 8.8 13.2#



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: 2.227 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055274.D

Acq: 26 Apr 2019 14:25

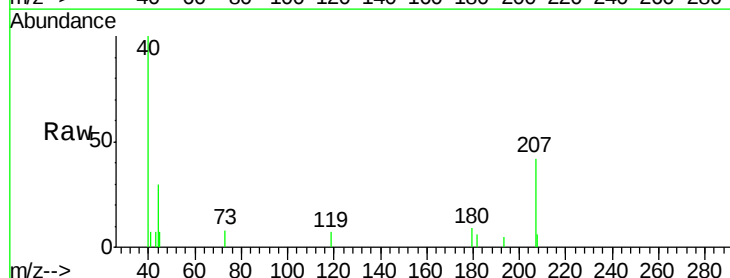
Tgt Ion:180 Resp: 212

Ion Ratio Lower Upper

180 100

182 31.1 47.2 141.6#

145 0.0 15.4 46.1#



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

