

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055468.D
 Acq On : 8 May 2019 4:56
 Operator : JC/SP
 Sample : K2717-18
 Misc : 4.91g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS003-1824-01

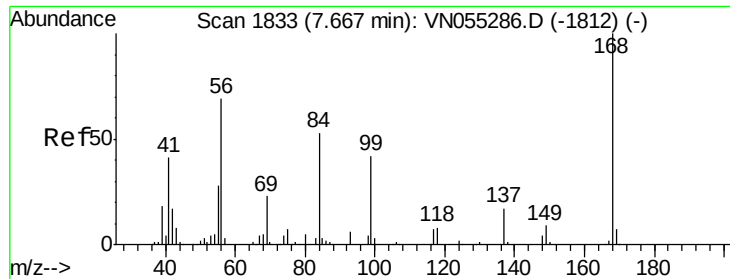
Quant Time: May 08 05:57:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	442907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	684874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	549153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176884	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	288592	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
35) Dibromofluoromethane	7.59	113	216559	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
50) Toluene-d8	10.09	98	803840	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.40	95	237020	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Methyl Acetate	4.34	43	7659	0.721	ug/l #	76
29) Tetrahydrofuran	7.23	42	447	0.302	ug/l #	40
31) Cyclohexane	7.67	56	10324	1.133	ug/l #	6
36) 1,1-Dichloropropene	7.67	75	34579	5.271	ug/l #	51
38) Carbon Tetrachloride	7.67	117	43863	6.931	ug/l #	16
41) Methacrylonitrile	7.20	41	62	0.762	ug/l #	1
43) Isopropyl Acetate	8.20	43	8179	1.012	ug/l #	56
71) Bromoform	12.40	173	1279	0.548	ug/l #	1
73) Isopropylbenzene	12.26	105	32	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.41	83	115	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	126164	37.756	ug/l #	100
79) 2-Chlorotoluene	12.41	91	983	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	126164	135.167	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055468.D

Acq: 8 May 2019 4:56

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MSVOA_N

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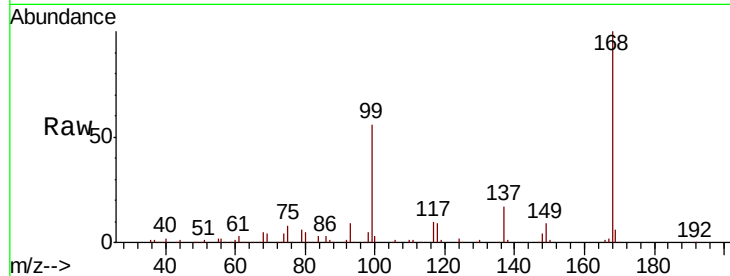
P026-SS003-1824-01

Tot Ion:168 Resp: 442907

Ion Ratio Lower Upper

168 100

99 56.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055468.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055468.D (-1740) (-)

7.67

200000

150000

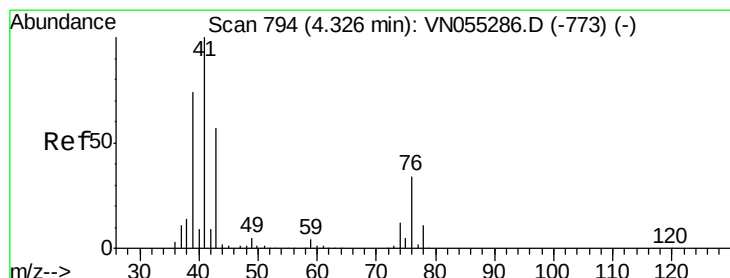
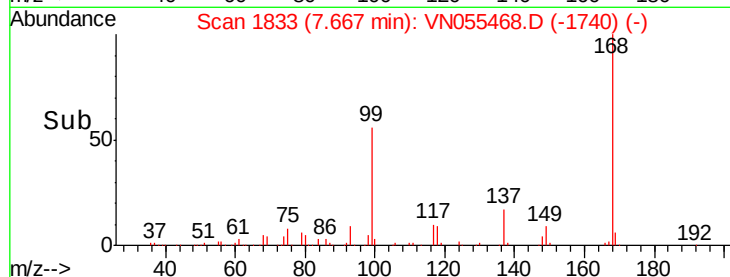
100000

50000

0

7.60 7.70 7.80

Time-->



#18

Methyl Acetate

Concen: 0.721 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN055468.D

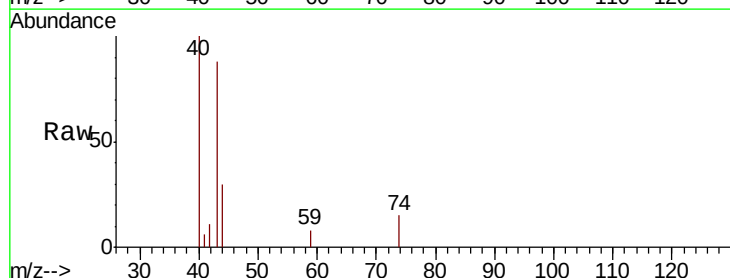
Acq: 8 May 2019 4:56

Tgt Ion: 43 Resp: 7659

Ion Ratio Lower Upper

43 100

74 8.8 15.8 23.8#



Abundance Ion 43.00 (42.70 to 43.70): VN055468.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN055468.D (-701) (-)

4.34

2500

2000

1500

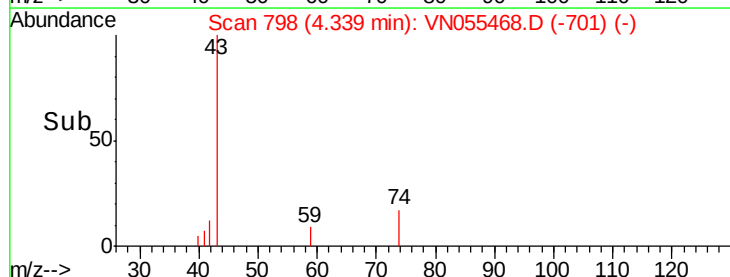
1000

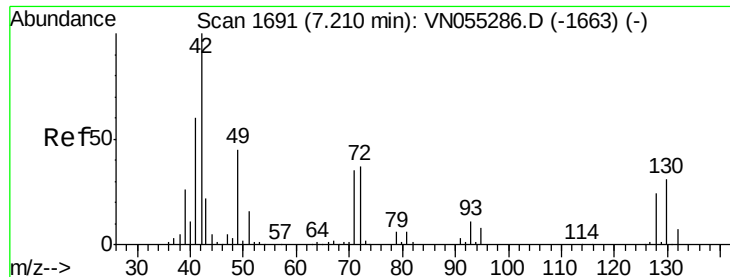
500

0

4.25 4.30 4.35 4.40

Time-->





#29

Tetrahydrofuran

Concen: 0.302 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.02 min

Lab File: VN055468.D

Acq: 8 May 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

P026-SS003-1824-01

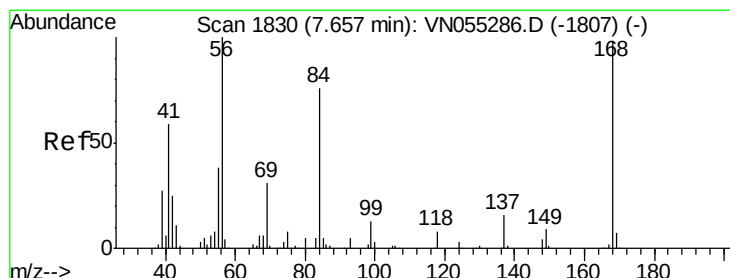
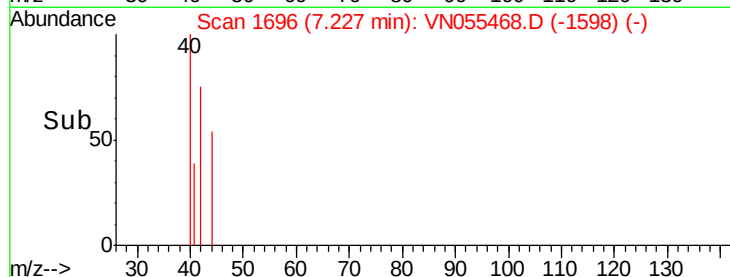
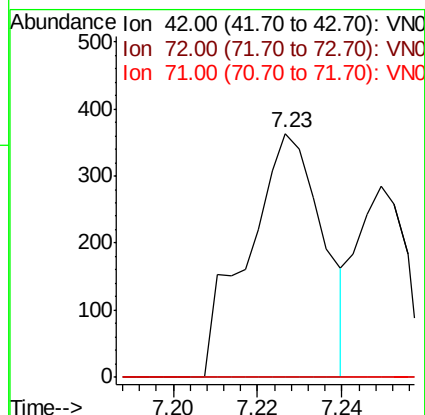
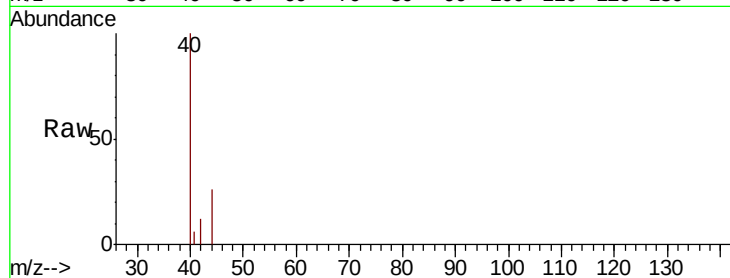
Tot Ion: 42 Resp: 447

Ion Ratio Lower Upper

42 100

72 0.0 29.0 43.6#

71 0.0 27.1 40.7#



#31

Cyclohexane

Concen: 1.133 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN055468.D

Acq: 8 May 2019 4:56

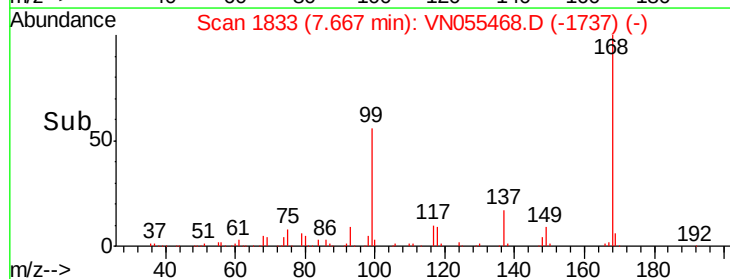
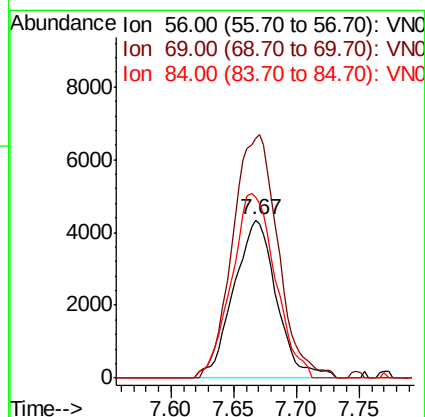
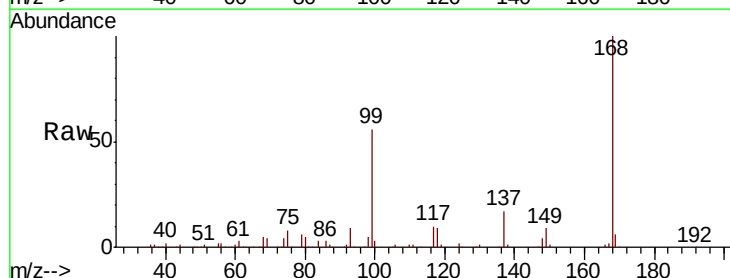
Tgt Ion: 56 Resp: 10324

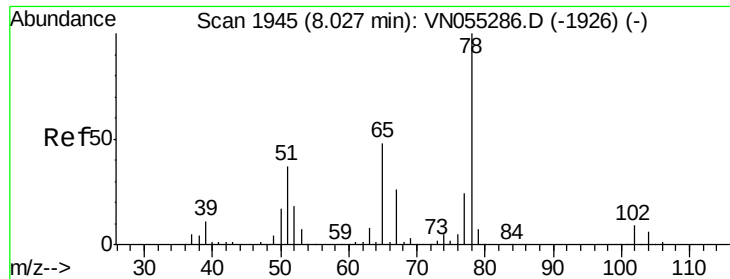
Ion Ratio Lower Upper

56 100

69 151.4 25.2 37.8#

84 114.0 61.1 91.7#

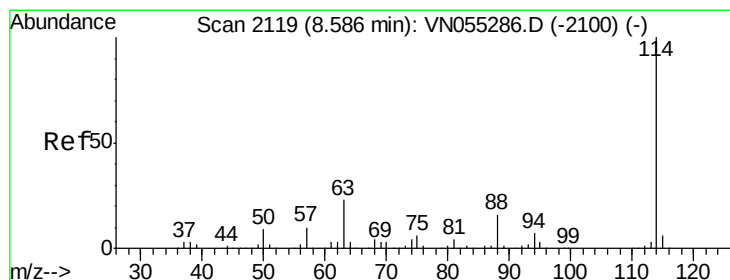
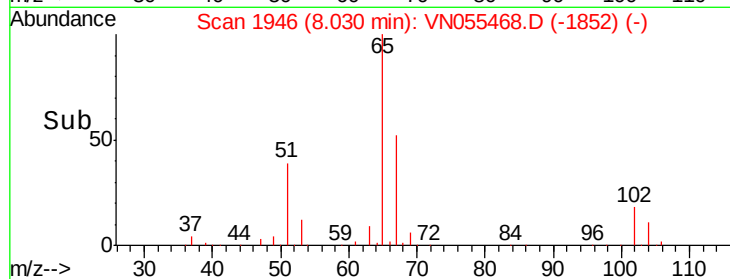
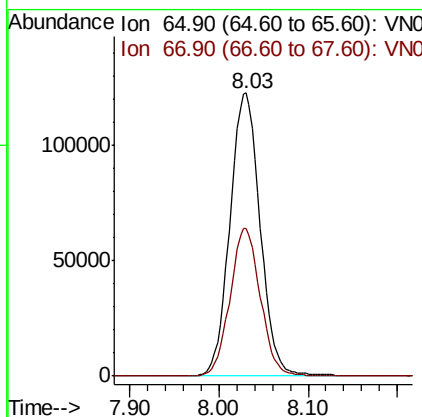
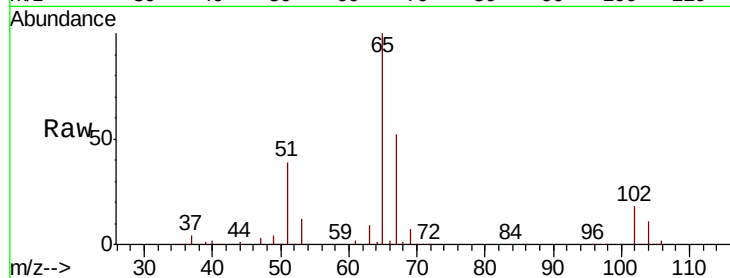




#33
 1,2-Dichloroethane-d4
 Concen: 49.807 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055468.D
 Acq: 8 May 2019 4:56

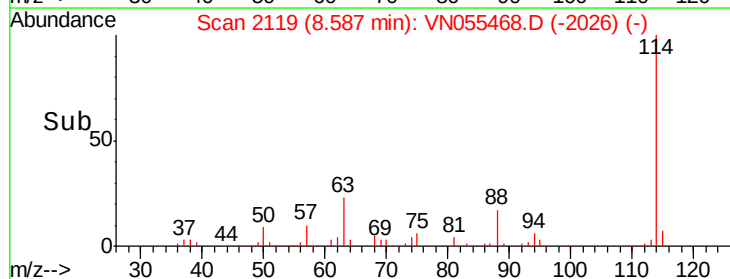
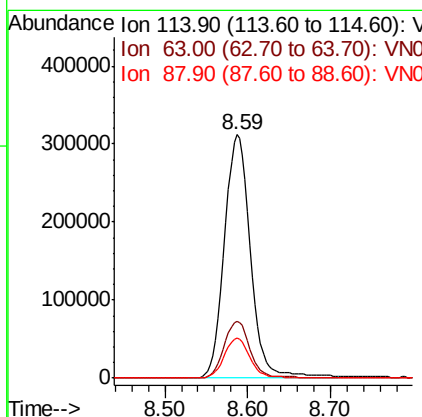
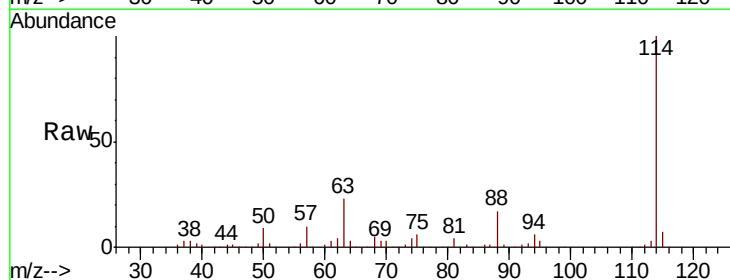
Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS003-1824-01

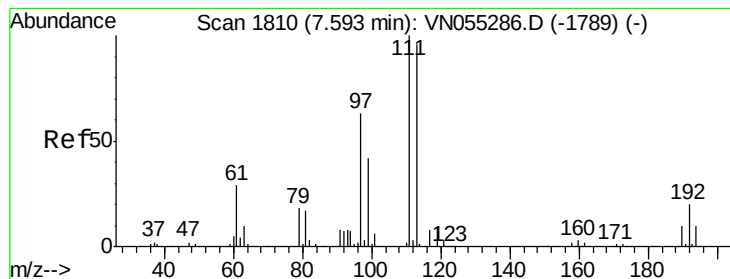
Tot Ion: 65 Resp: 288592
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055468.D
 Acq: 8 May 2019 4:56

Tgt Ion: 114 Resp: 684874
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.2
 88 16.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.175 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055468.D

Acq: 8 May 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

P026-SS003-1824-01

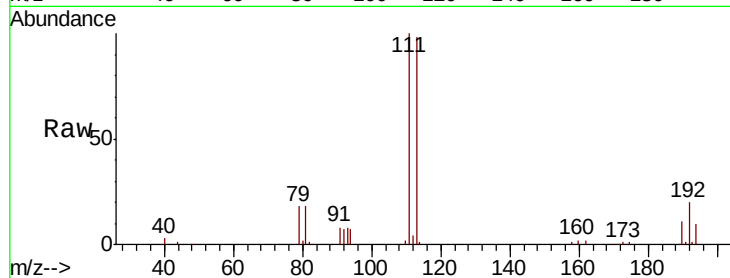
Tot Ion:113 Resp: 216559

Ion Ratio Lower Upper

113 100

111 100.3 82.3 123.5

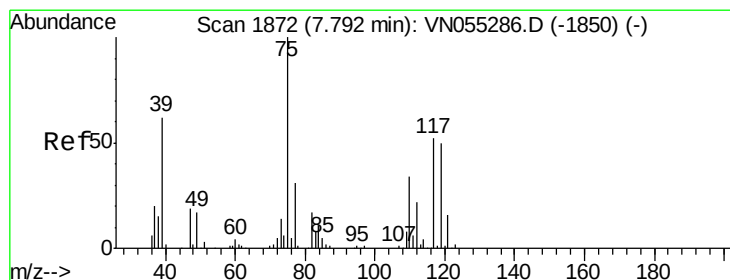
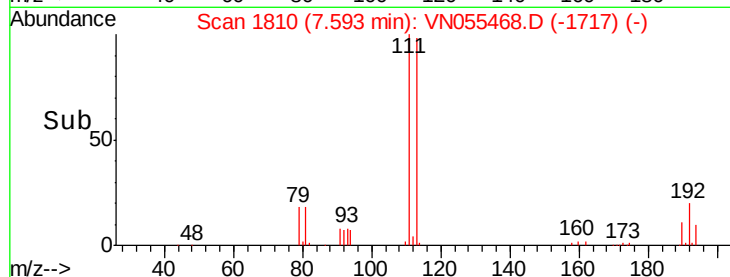
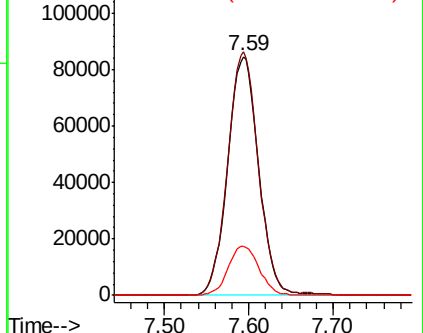
192 20.6 17.0 25.6



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: 5.271 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.12 min

Lab File: VN055468.D

Acq: 8 May 2019 4:56

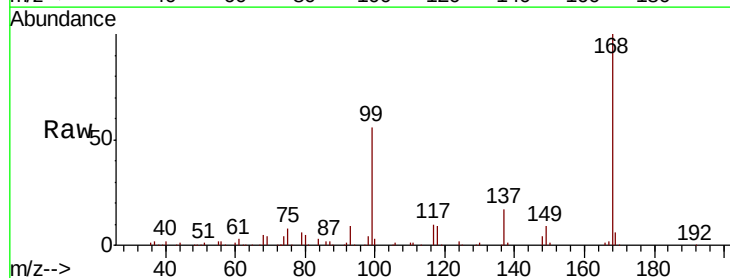
Tgt Ion: 75 Resp: 34579

Ion Ratio Lower Upper

75 100

110 9.7 16.8 50.4#

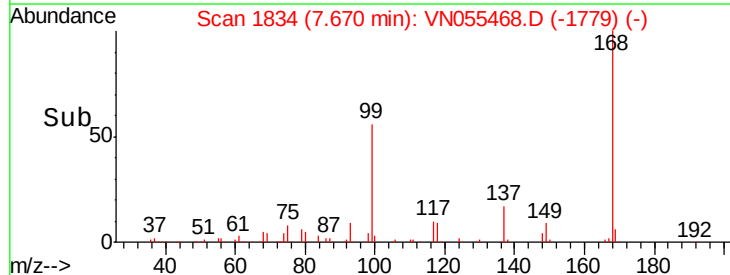
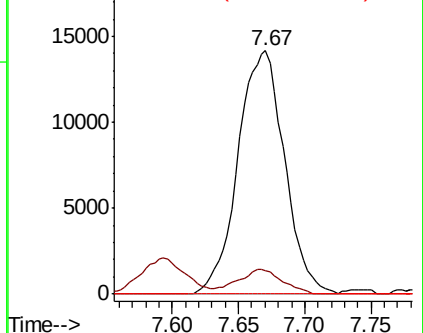
77 0.0 25.0 37.6#

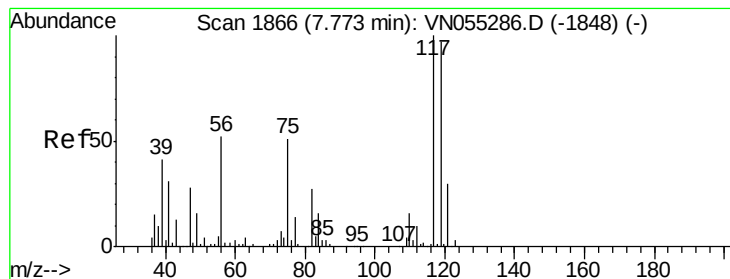


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.931 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055468.D

Acq: 8 May 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

P026-SS003-1824-01

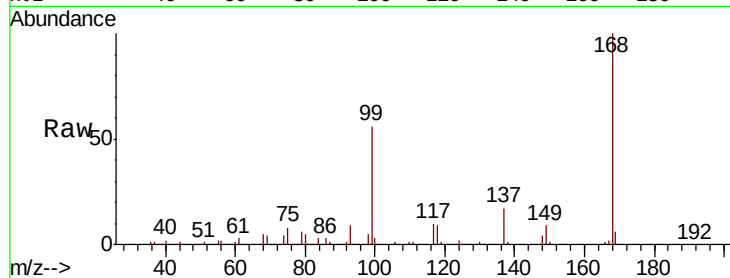
Tot Ion:117 Resp: 43863

Ion Ratio Lower Upper

117 100

119 5.3 77.0 115.6#

121 0.0 23.8 35.8#

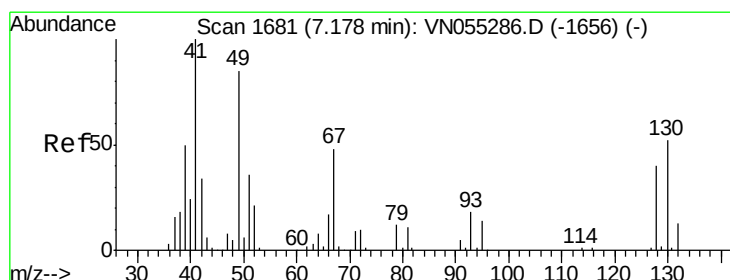
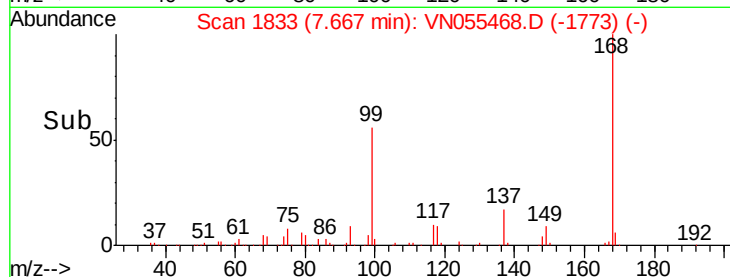
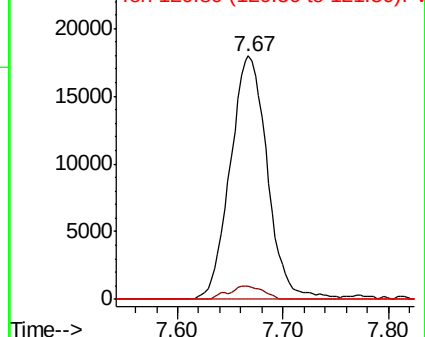


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.762 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.02 min

Lab File: VN055468.D

Acq: 8 May 2019 4:56

Tgt Ion: 41 Resp: 62

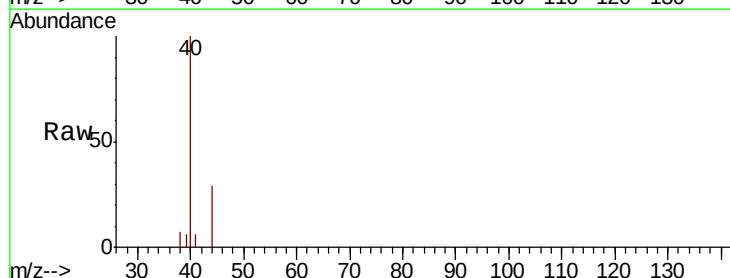
Ion Ratio Lower Upper

41 100

39 221.0 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#



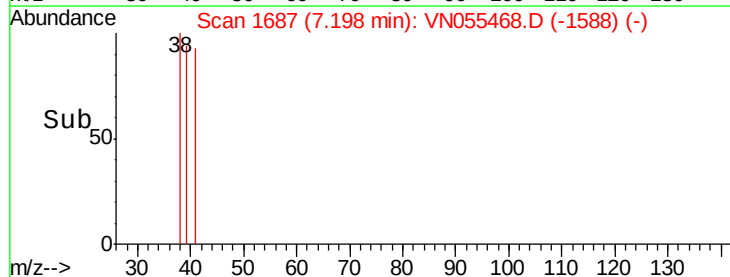
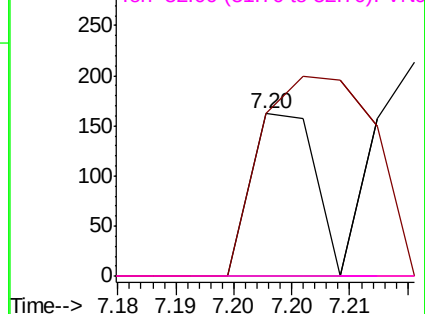
Abundance

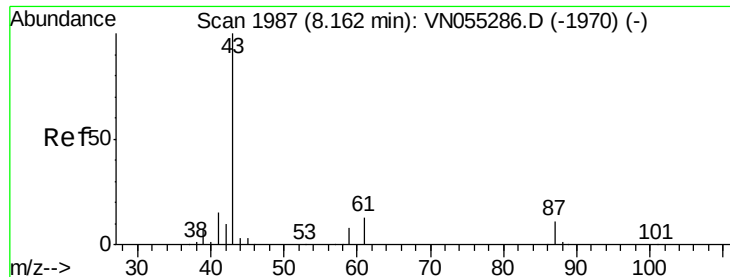
Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 1.012 ug/l

RT: 8.20 min Scan# 2000

Delta R.T. 0.04 min

Lab File: VN055468.D

Acq: 8 May 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

P026-SS003-1824-01

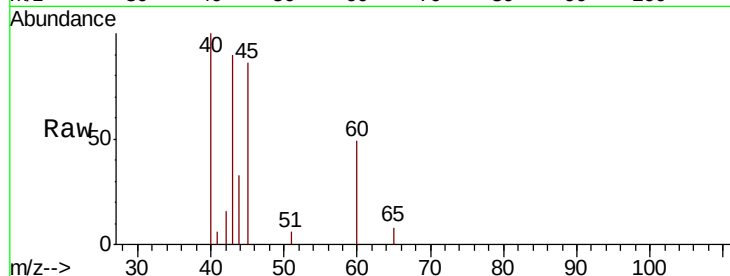
Tot Ion: 43 Resp: 8179

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

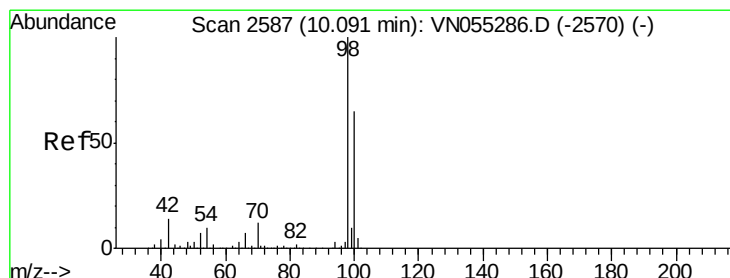
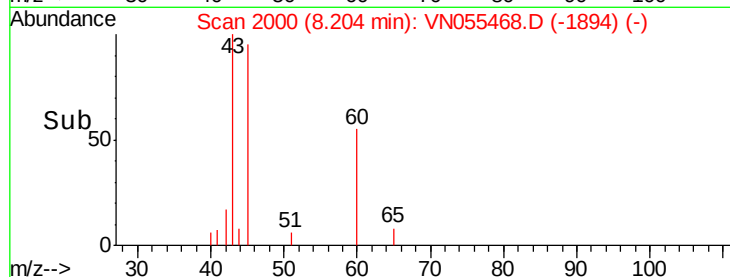
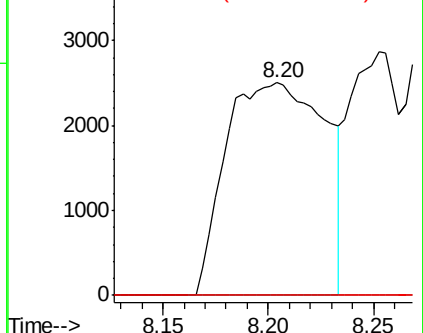
87 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055286.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055286.D (-1970) (-)



#50

Toluene-d8

Concen: 49.522 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055468.D

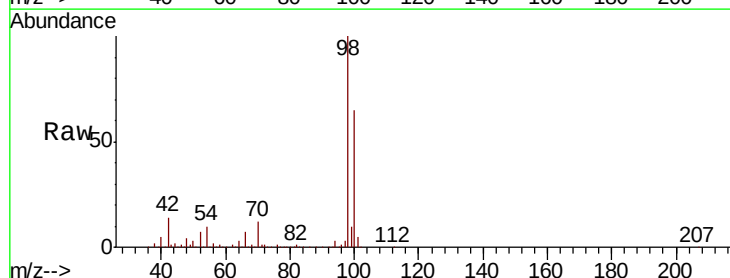
Acq: 8 May 2019 4:56

Tgt Ion: 98 Resp: 803840

Ion Ratio Lower Upper

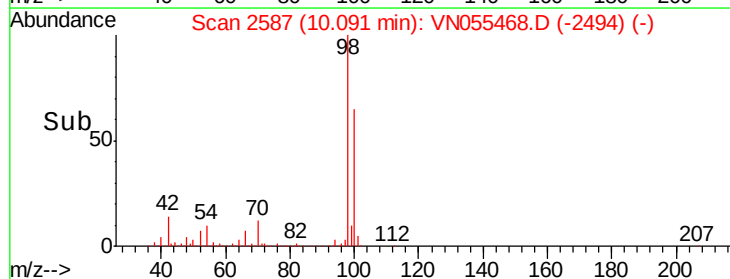
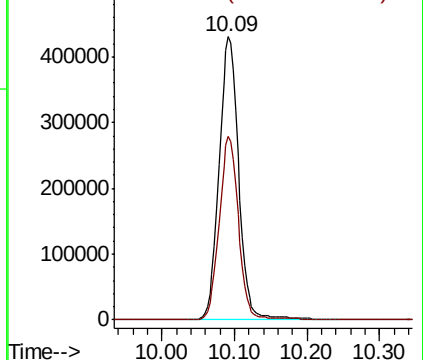
98 100

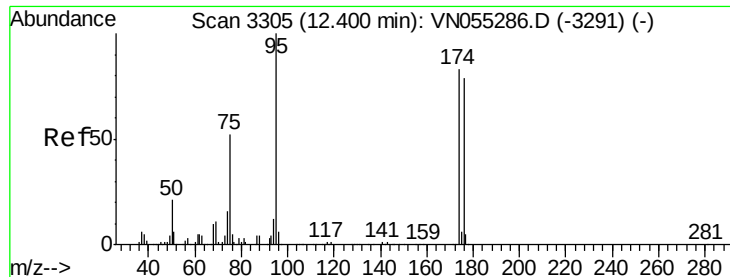
100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055286.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055286.D (-2570) (-)





#62

4-Bromofluorobenzene

Concen: 46.721 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055468.D

Acq: 8 May 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

P026-SS003-1824-01

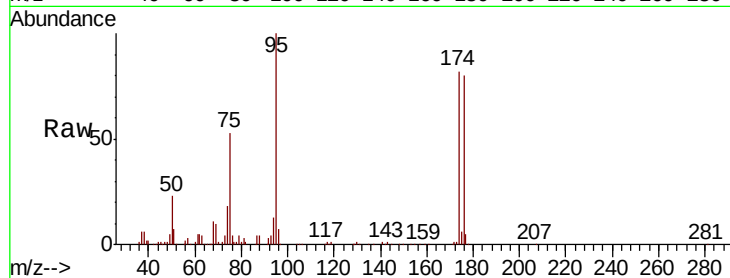
Tot Ion: 95 Resp: 237020

Ion Ratio Lower Upper

95 100

174 81.9 0.0 166.6

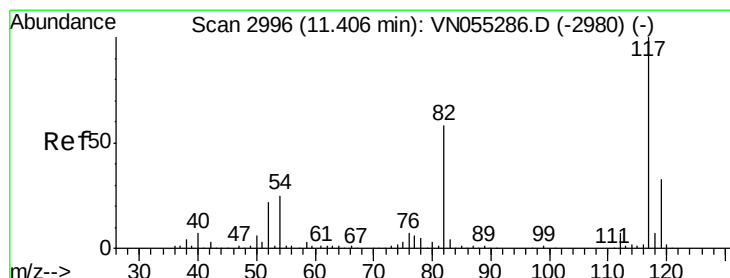
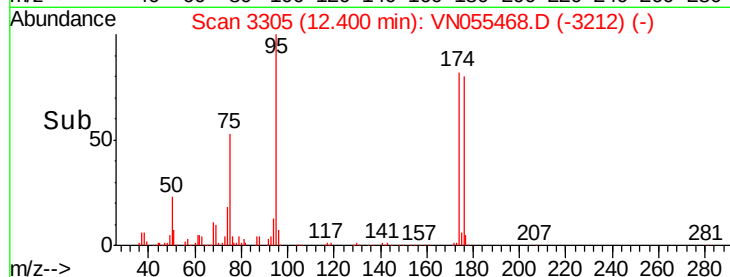
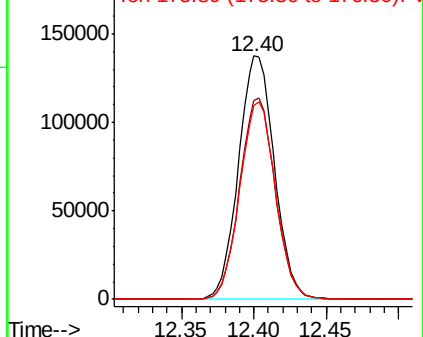
176 80.6 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN055468.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055468.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055468.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055468.D

Acq: 8 May 2019 4:56

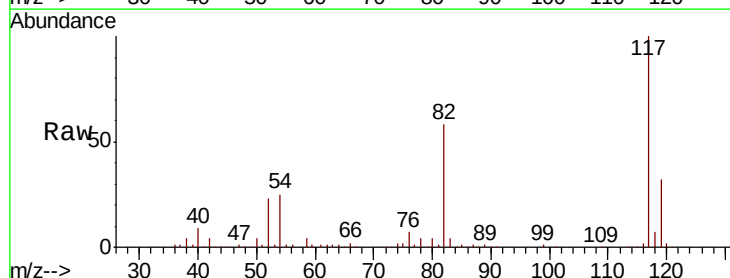
Tgt Ion: 117 Resp: 549153

Ion Ratio Lower Upper

117 100

82 57.7 46.2 69.4

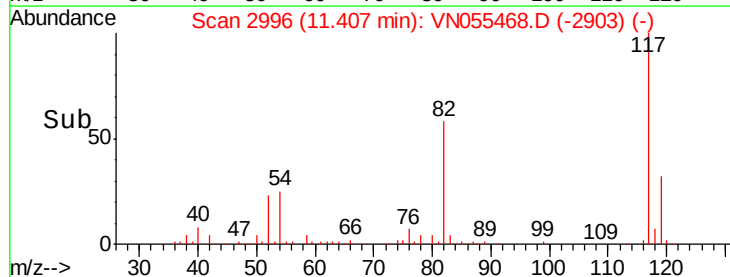
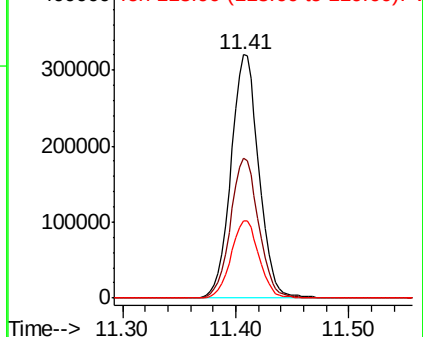
119 31.6 26.6 40.0

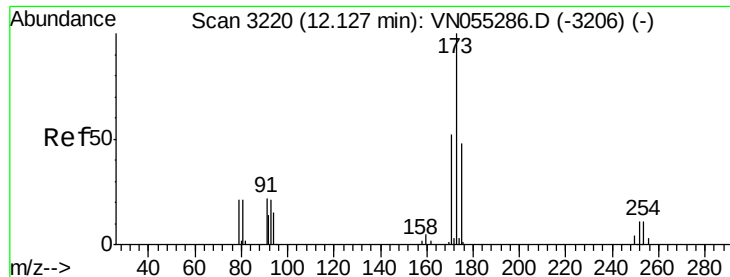


Abundance Ion 116.90 (116.60 to 117.60): VN055468.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN055468.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN055468.D (-2980) (-)





#71

Bromoform

Concen: 0.548 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055468.D

Acq: 8 May 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

P026-SS003-1824-01

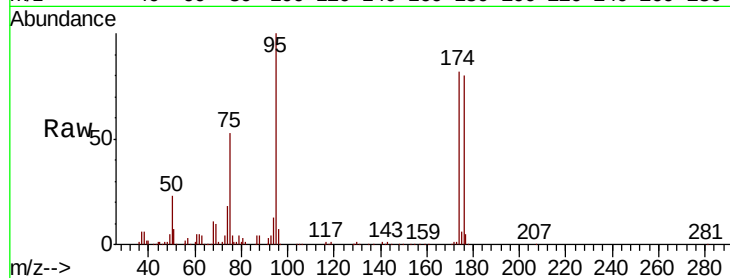
Tot Ion:173 Resp: 1279

Ion Ratio Lower Upper

173 100

175 998.3 23.6 71.0#

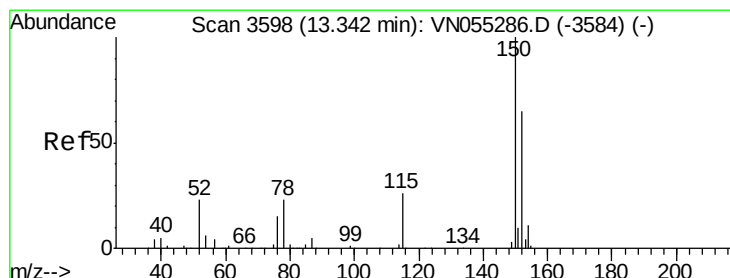
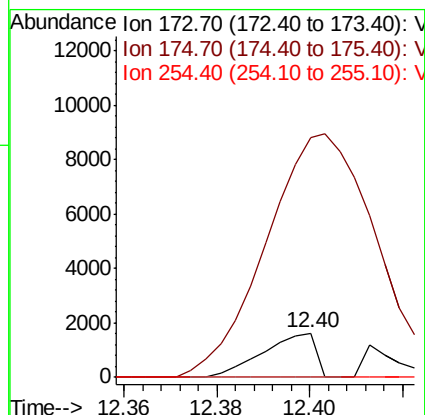
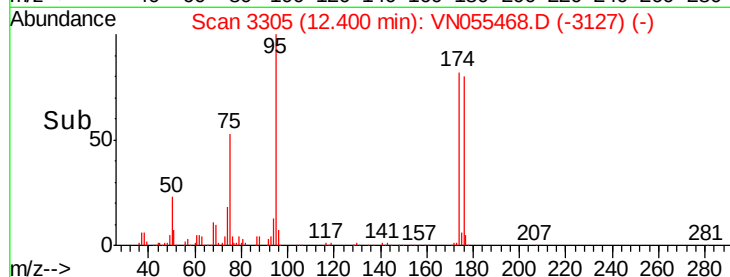
254 0.0 0.0 0.0



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: VN055468.D

Acq: 8 May 2019 4:56

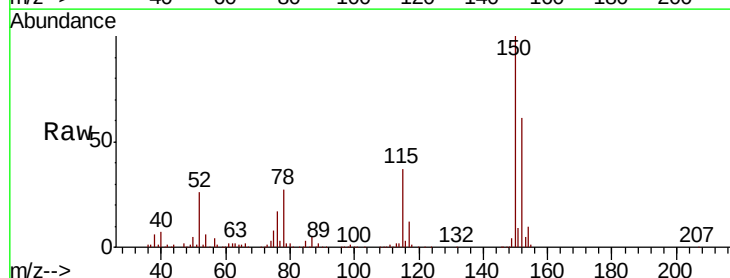
Tgt Ion:152 Resp: 176884

Ion Ratio Lower Upper

152 100

115 59.1 29.0 87.0

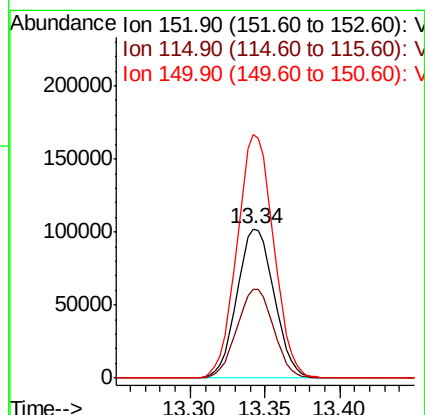
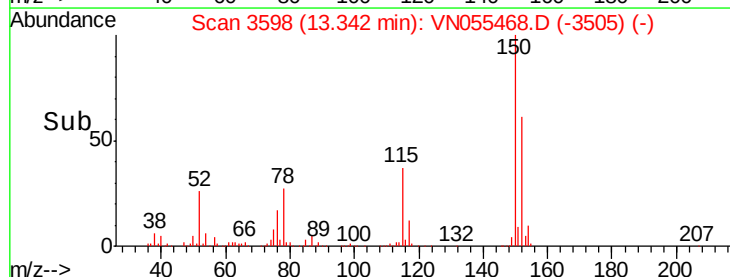
150 160.7 0.0 345.6

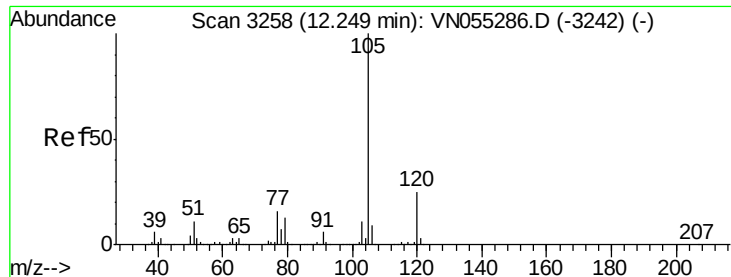


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.26 min Scan# 3261

Delta R.T. 0.01 min

Lab File: VN055468.D

Acq: 8 May 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

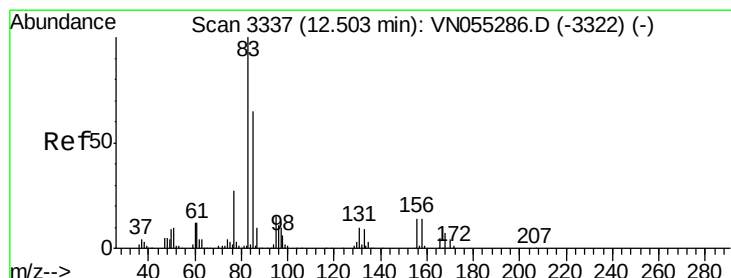
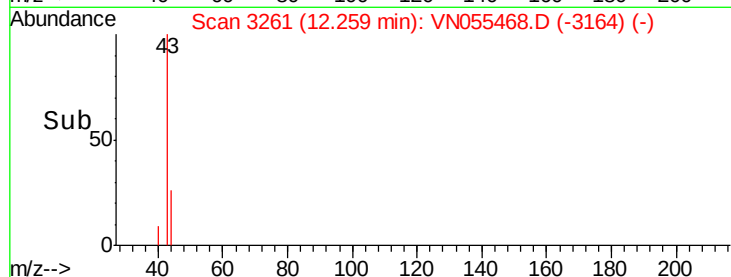
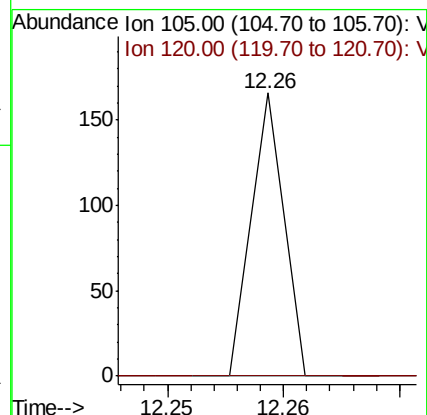
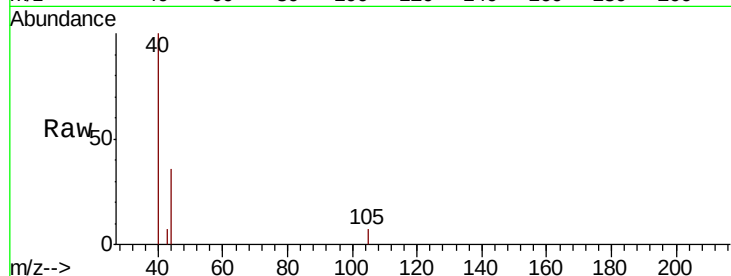
P026-SS003-1824-01

Tot Ion:105 Resp: 32

Ion Ratio Lower Upper

105 100

120 0.0 12.9 38.7#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.10 min

Lab File: VN055468.D

Acq: 8 May 2019 4:56

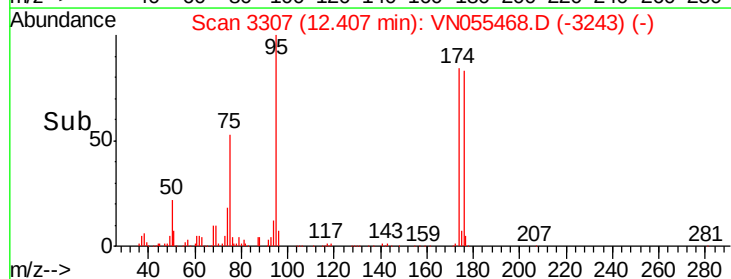
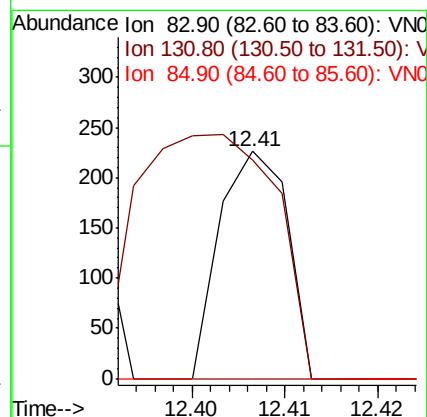
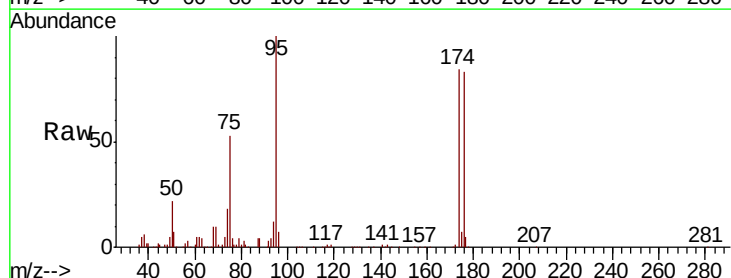
Tgt Ion: 83 Resp: 115

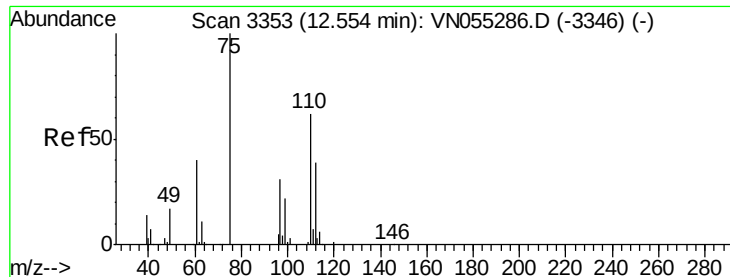
Ion Ratio Lower Upper

83 100

131 219.1 5.1 15.2#

85 0.0 32.3 96.8#





#76

1,2,3-Trichloropropane

Concen: 37.756 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055468.D

Acq: 8 May 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

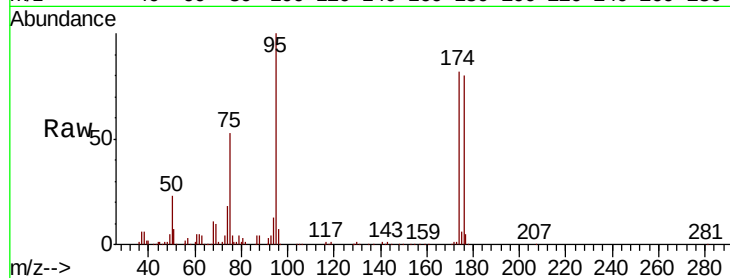
P026-SS003-1824-01

Tot Ion: 75 Resp: 126164

Ion Ratio Lower Upper

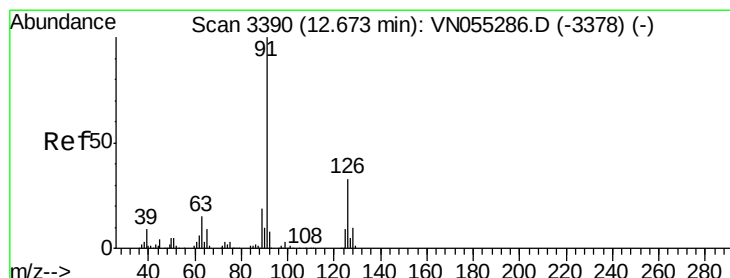
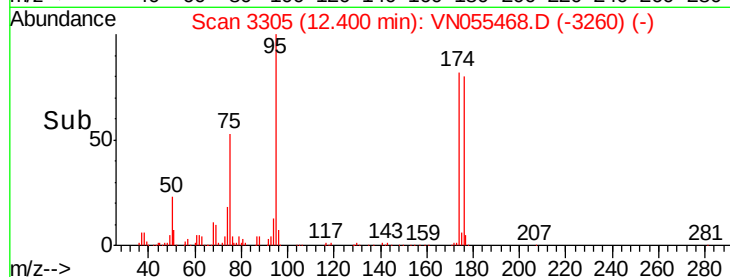
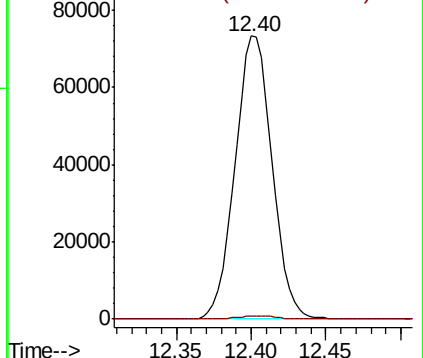
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.27 min

Lab File: VN055468.D

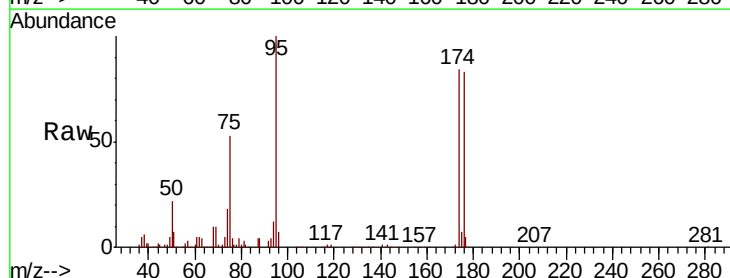
Acq: 8 May 2019 4:56

Tgt Ion: 91 Resp: 983

Ion Ratio Lower Upper

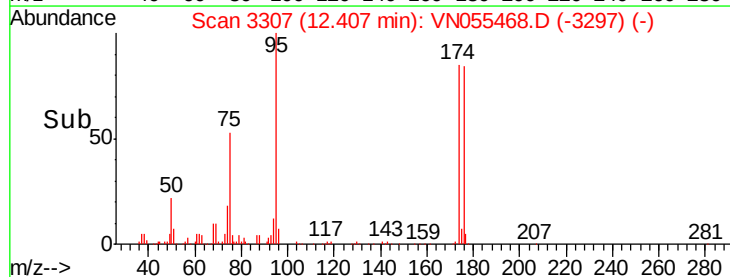
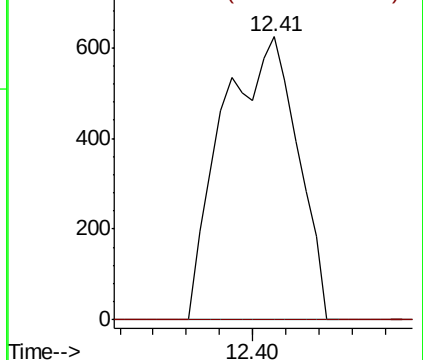
91 100

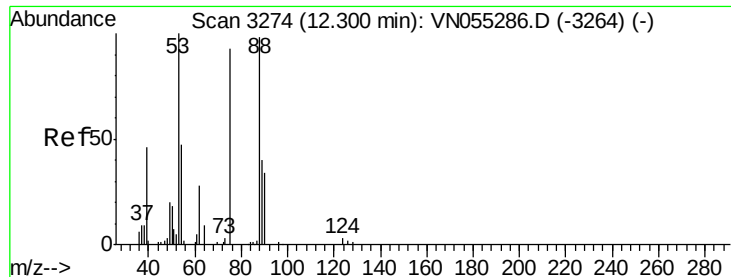
126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 135.167 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055468.D

Acq: 8 May 2019 4:56

Instrument :

MSVOA_N

ClientSampleId :

P026-SS003-1824-01

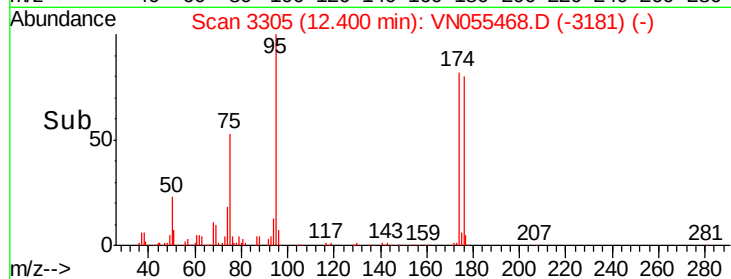
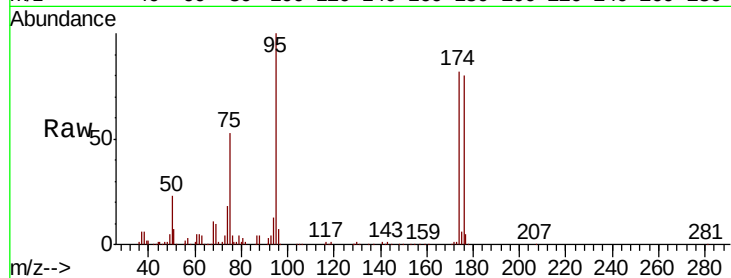
Tot Ion: 75 Resp: 126164

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

89 0.0 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

