

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055464.D
 Acq On : 8 May 2019 3:15
 Operator : JC/SP
 Sample : K2717-14
 Misc : 5.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS003-0002-01

Quant Time: May 08 05:57:07 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	449972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	698322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	188849	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	297268	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
35) Dibromofluoromethane	7.59	113	219314	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	10.09	98	820010	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	254176	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	

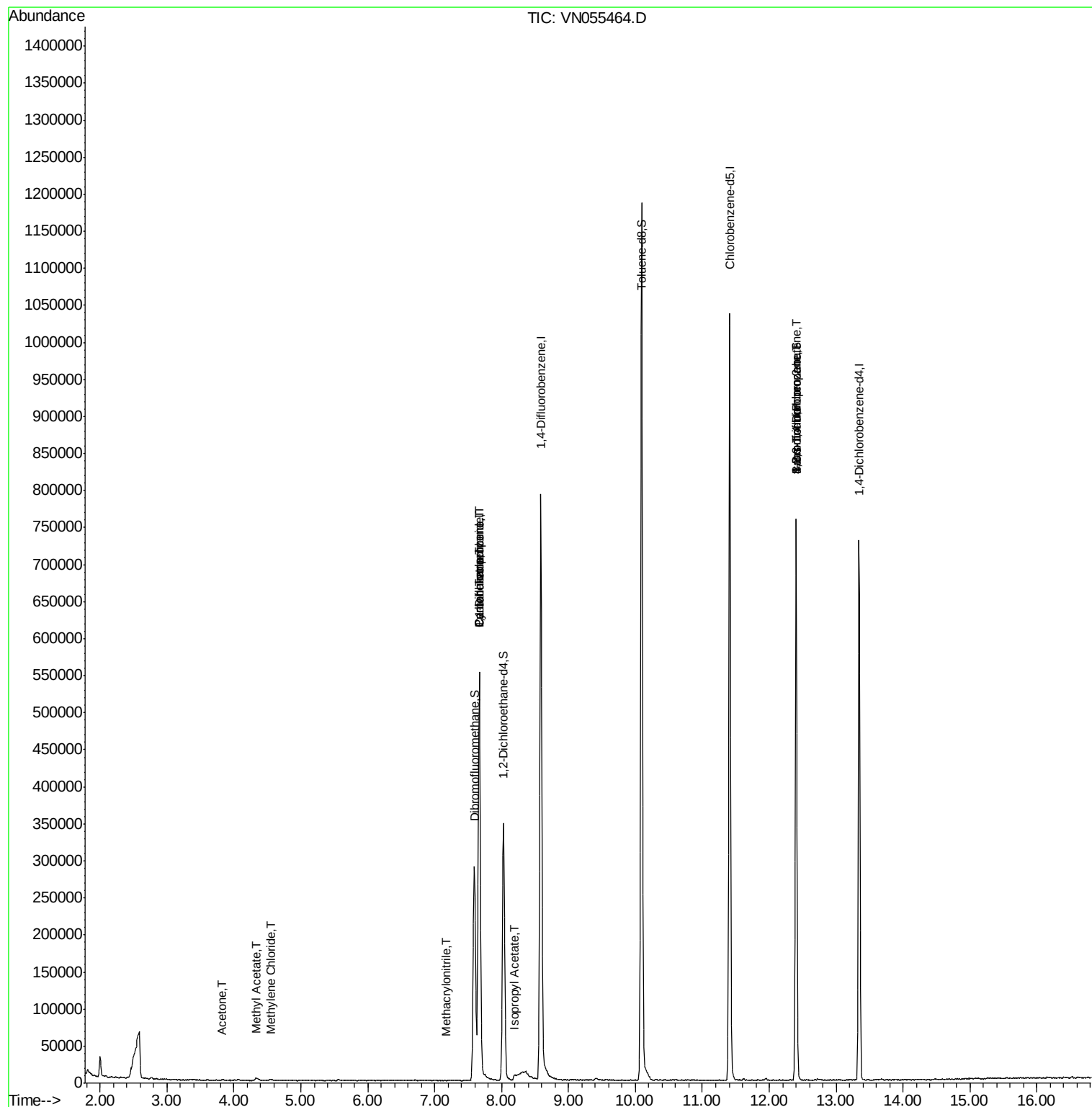
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	600	0.327	ug/l #	45
18) Methyl Acetate	4.34	43	5914	0.294	ug/l #	86
20) Methylene Chloride	4.55	84	1138	0.203	ug/l #	38
31) Cyclohexane	7.67	56	10369	1.120	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	35956	5.376	ug/l #	50
38) Carbon Tetrachloride	7.67	117	43055	6.673	ug/l #	16
41) Methacrylonitrile	7.17	41	29	0.750	ug/l #	1
43) Isopropyl Acetate	8.20	43	5862	0.712	ug/l #	56
71) Bromoform	12.40	173	1681	0.698	ug/l #	1
73) Isopropylbenzene	12.24	105	62	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.40	83	114	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	132238	37.018	ug/l #	100
79) 2-Chlorotoluene	12.59	91	136	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	132238	132.699	ug/l #	7

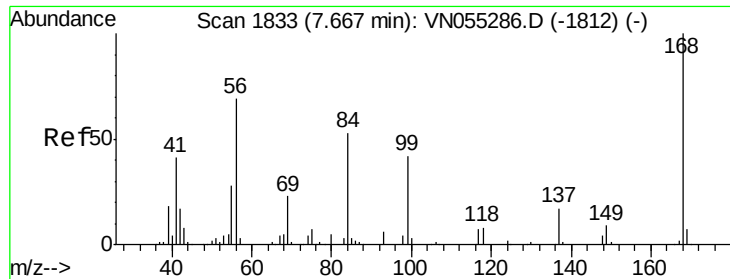
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
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: VN055464.D

Acq: 8 May 2019 3:15

Instrument :

MSVOA_N

ClientSampleId :

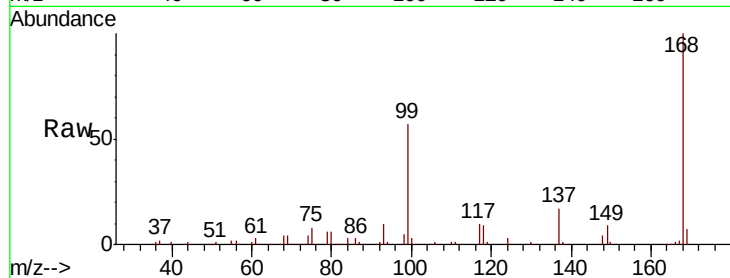
P026-SS003-0002-01

Tot Ion:168 Resp: 449972

Ion Ratio Lower Upper

168 100

99 56.9 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055286.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055286.D (-1812) (-)

7.67

200000

150000

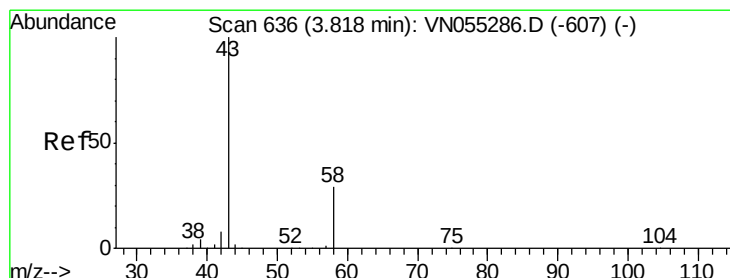
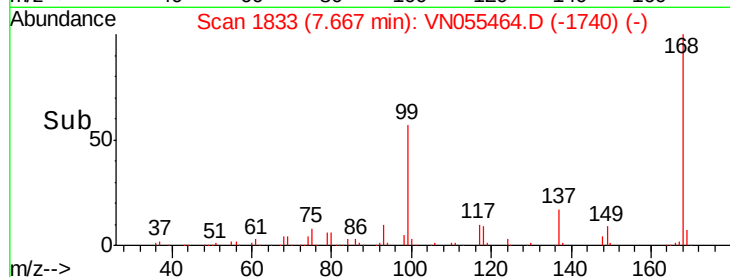
100000

50000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 0.327 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN055464.D

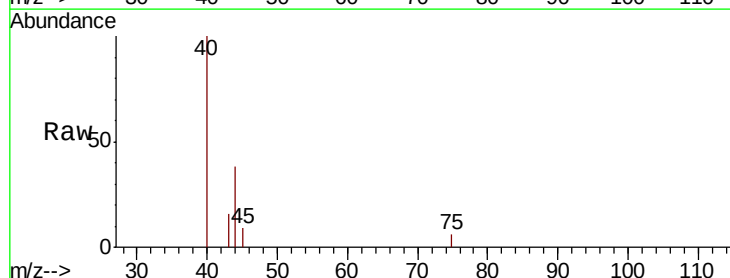
Acq: 8 May 2019 3:15

Tgt Ion: 43 Resp: 600

Ion Ratio Lower Upper

43 100

58 0.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-607) (-)

Ion 58.00 (57.70 to 58.70): VN055286.D (-607) (-)

3.83

400

300

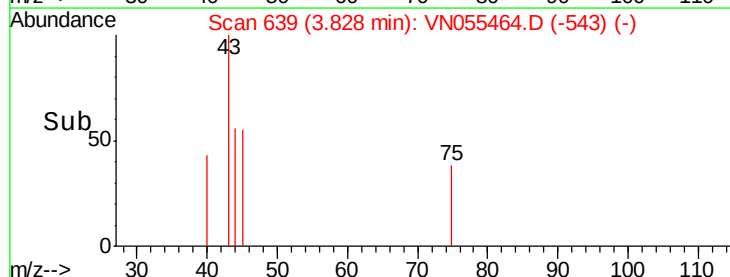
200

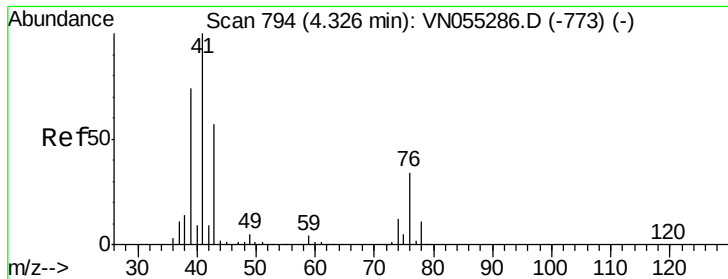
100

0

3.80 3.82 3.84

Time-->

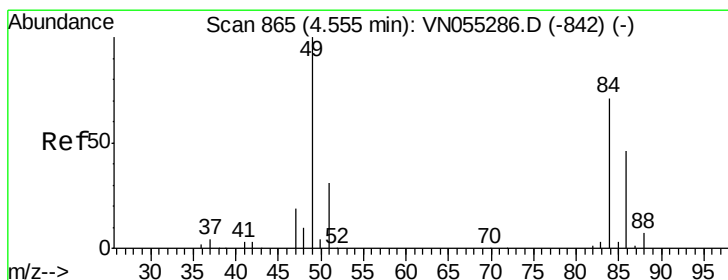
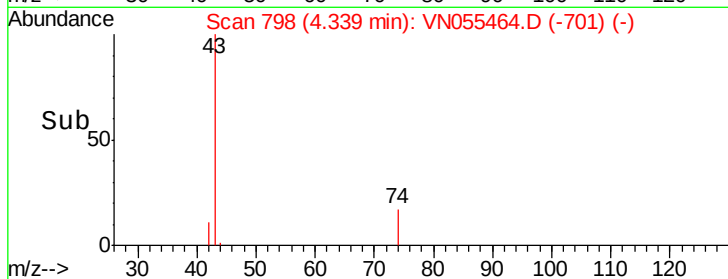
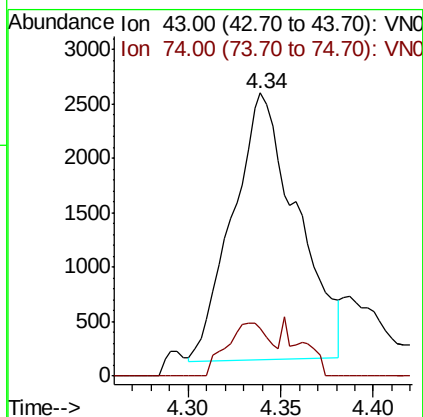
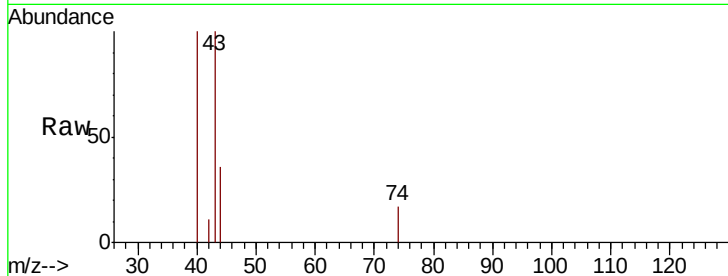




#18
Methyl Acetate
Concen: 0.294 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN055464.D
Acq: 8 May 2019 3:15

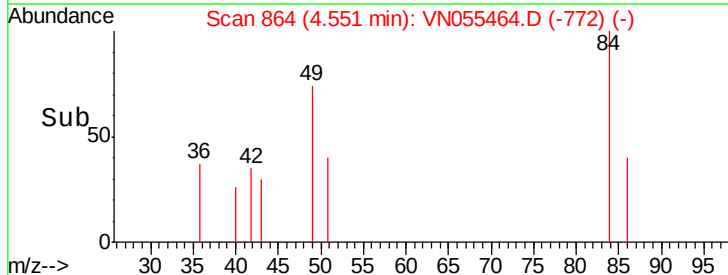
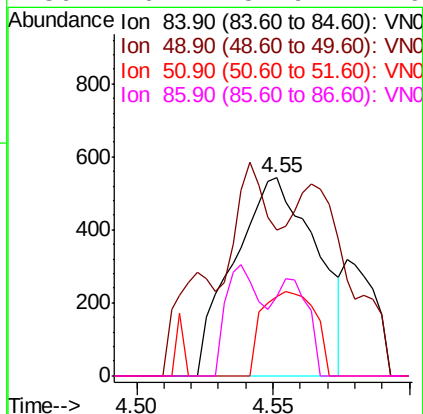
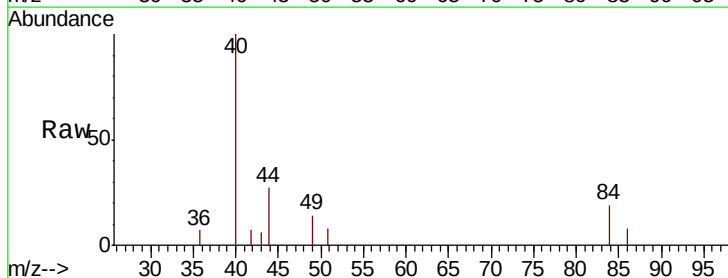
Instrument :
MSVOA_N
ClientSampleId :
P026-SS003-0002-01

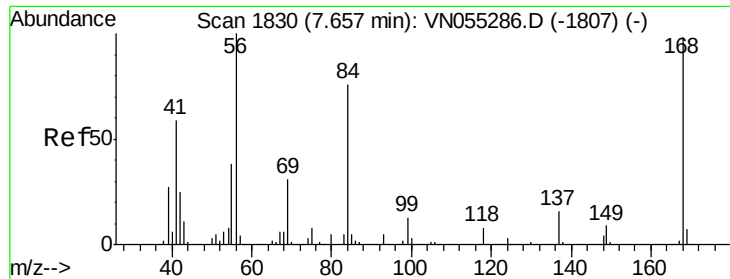
Tot Ion: 43 Resp: 5914
Ion Ratio Lower Upper
43 100
74 13.6 15.8 23.8#



#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055464.D
Acq: 8 May 2019 3:15

Tgt Ion: 84 Resp: 1138
Ion Ratio Lower Upper
84 100
49 26.2 112.4 168.6#
51 40.0 34.6 51.8
86 40.2 51.9 77.9#

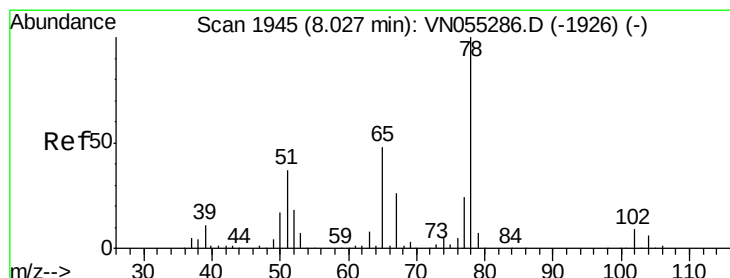
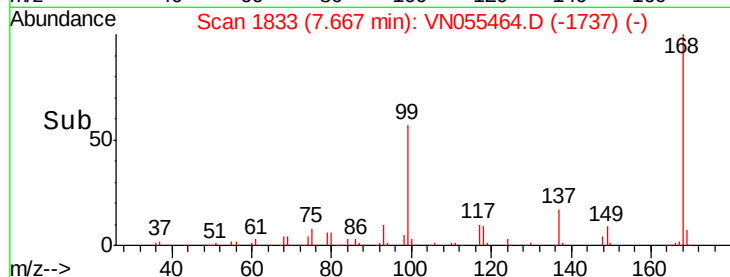
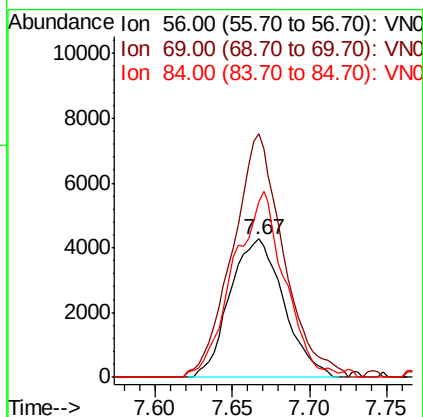
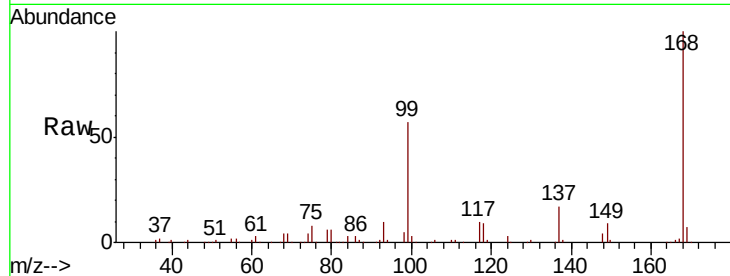




#31
Cyclohexane
Concen: 1.120 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055464.D
Acq: 8 May 2019 3:15

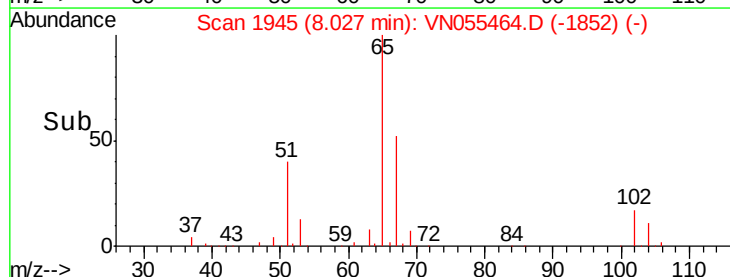
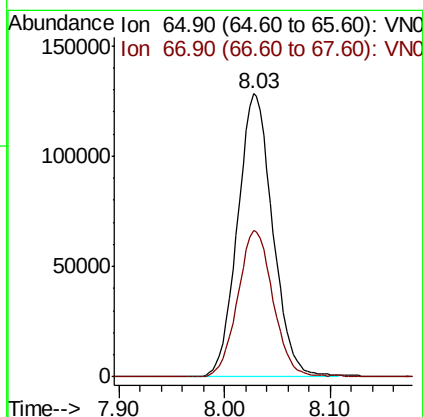
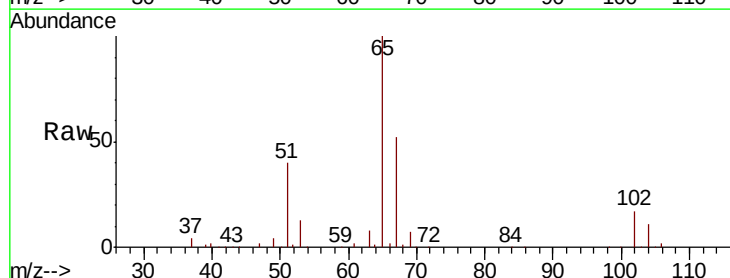
Instrument :
MSVOA_N
ClientSampleId :
P026-SS003-0002-01

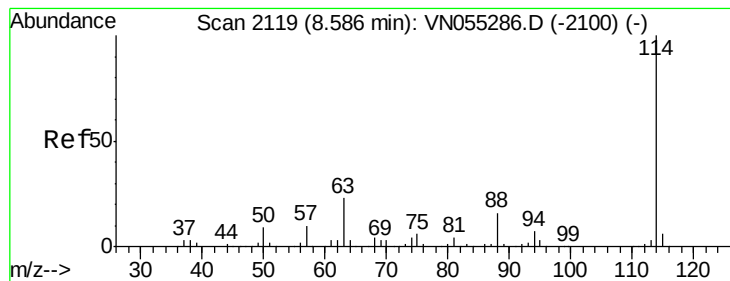
Tot Ion: 56 Resp: 10369
Ion Ratio Lower Upper
56 100
69 171.8 25.2 37.8#
84 123.6 61.1 91.7#



#33
1,2-Dichloroethane-d4
Concen: 50.499 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055464.D
Acq: 8 May 2019 3:15

Tgt Ion: 65 Resp: 297268
Ion Ratio Lower Upper
65 100
67 51.8 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: VN055464.D

Acq: 8 May 2019 3:15

Instrument :

MSVOA_N

ClientSampleId :

P026-SS003-0002-01

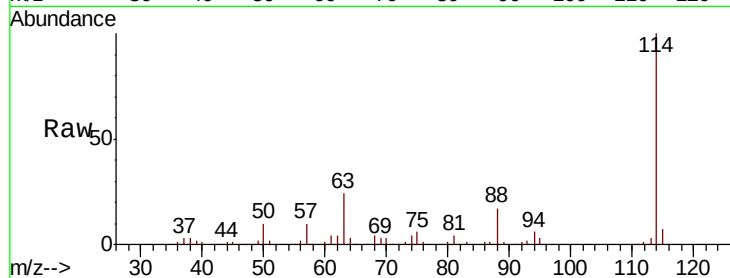
Tot Ion:114 Resp: 698322

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

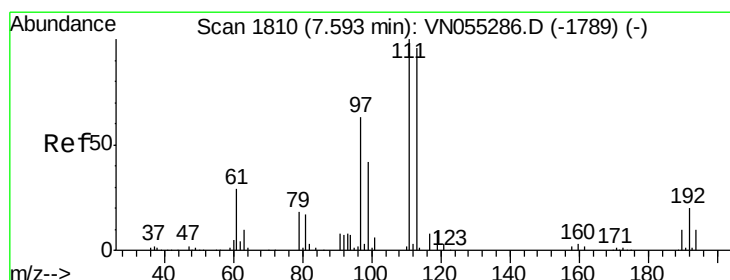
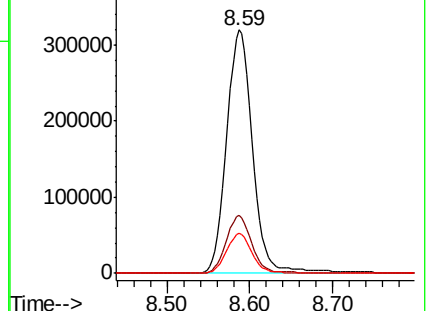
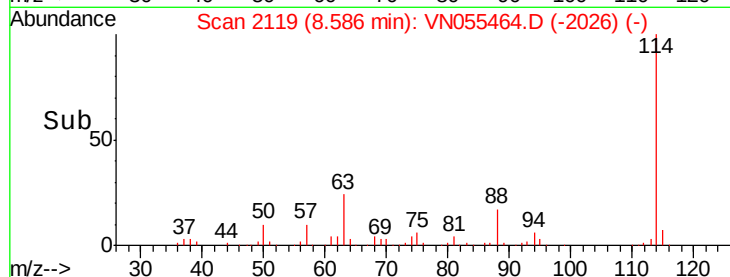
88 16.5 0.0 31.6



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: 47.848 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055464.D

Acq: 8 May 2019 3:15

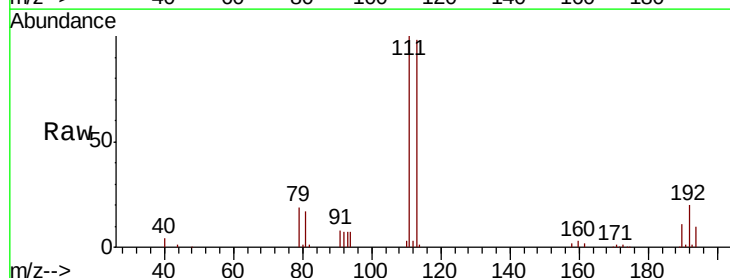
Tgt Ion:113 Resp: 219314

Ion Ratio Lower Upper

113 100

111 103.1 82.3 123.5

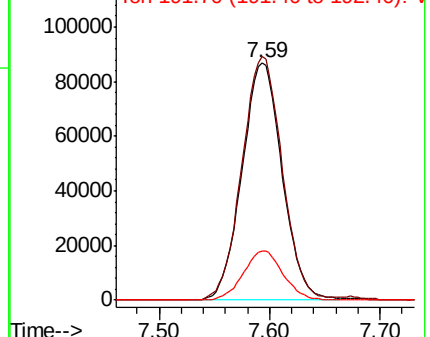
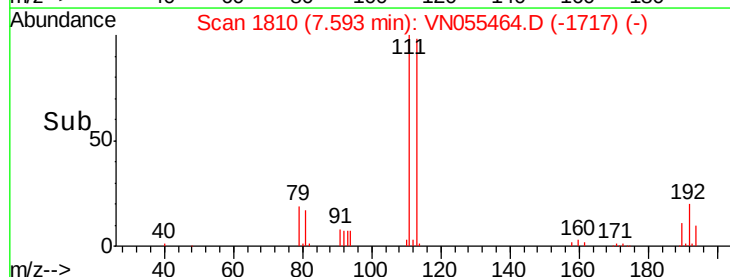
192 20.5 17.0 25.6

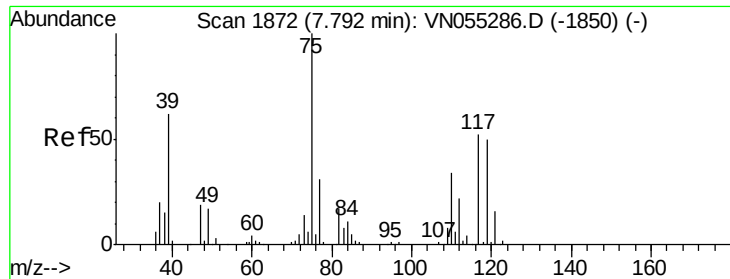


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.376 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN055464.D

Acq: 8 May 2019 3:15

Instrument :

MSVOA_N

ClientSampleId :

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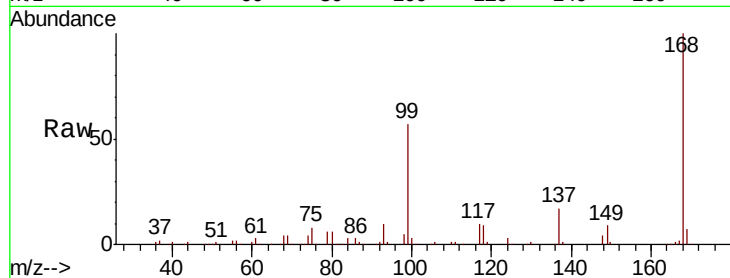
Tot Ion: 75 Resp: 35956

Ion Ratio Lower Upper

75 100

110 8.9 16.8 50.4#

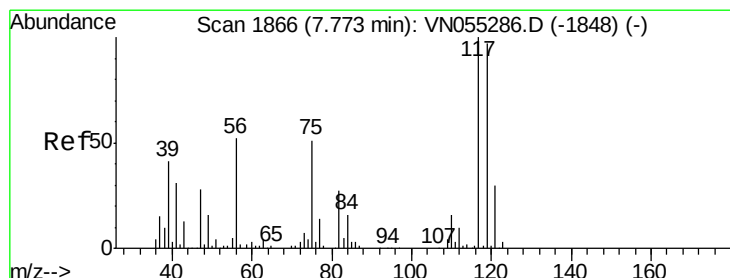
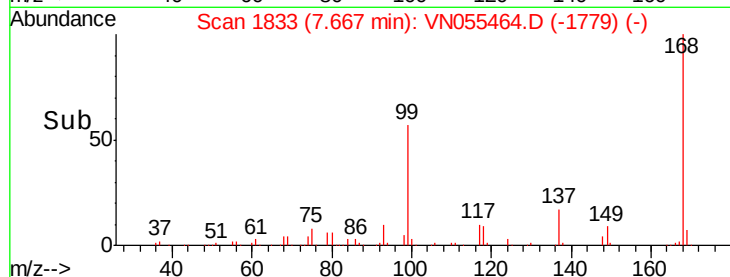
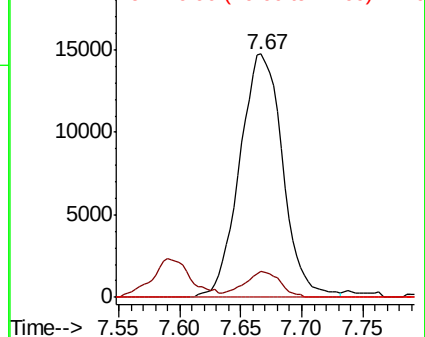
77 0.0 25.0 37.6#



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: 6.673 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055464.D

Acq: 8 May 2019 3:15

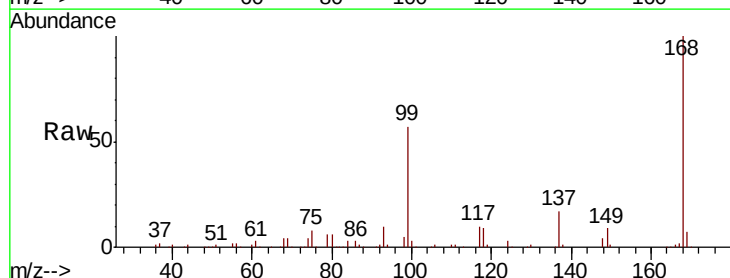
Tgt Ion: 117 Resp: 43055

Ion Ratio Lower Upper

117 100

119 5.8 77.0 115.6#

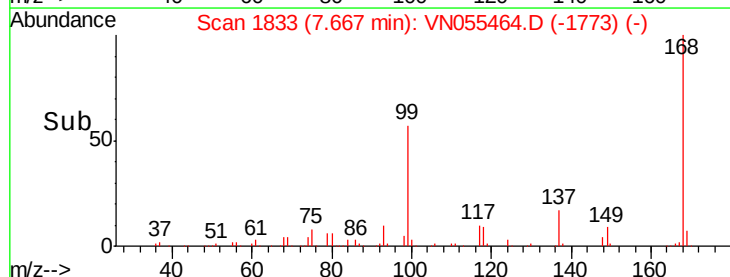
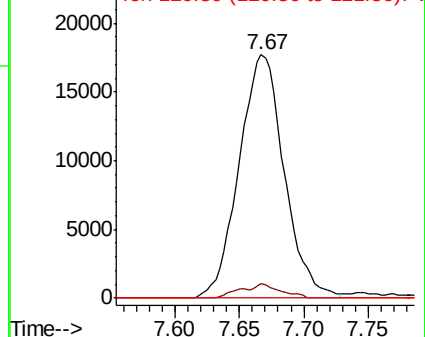
121 0.0 23.8 35.8#

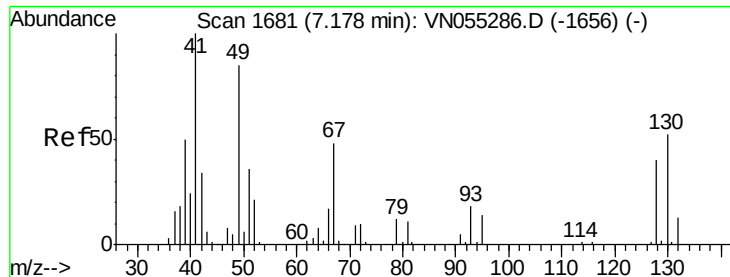


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 0.750 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.01 min

Lab File: VN055464.D

Acq: 8 May 2019 3:15

Instrument :

MSVOA_N

ClientSampleId :

P026-SS003-0002-01

Tot Ion: 41 Resp: 29

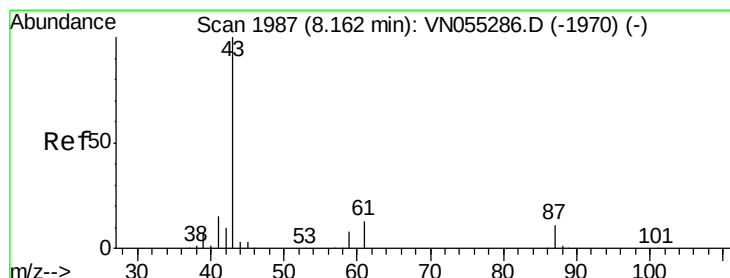
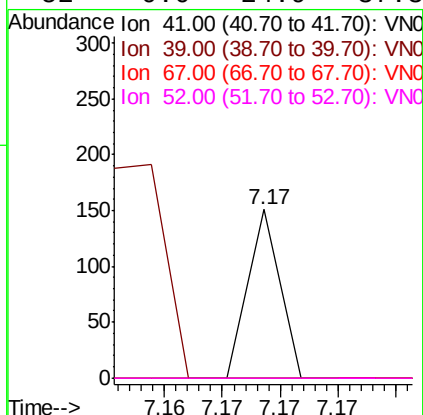
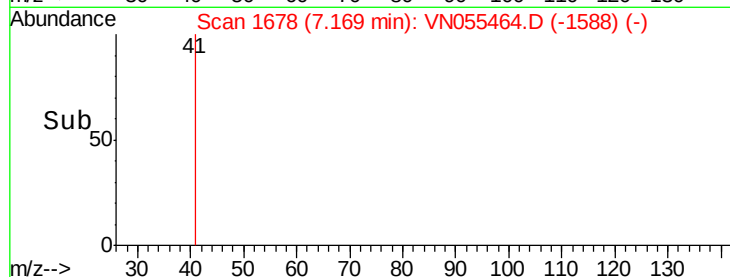
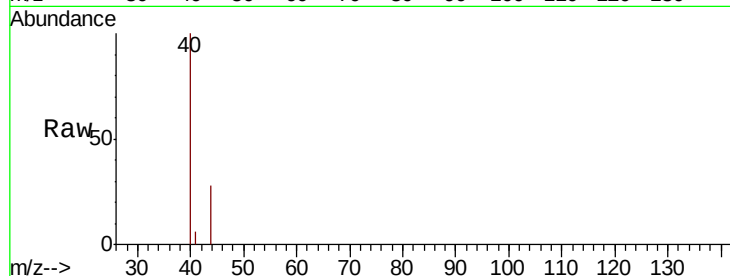
Ion Ratio Lower Upper

41 100

39 351.7 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#



#43

Isopropyl Acetate

Concen: 0.712 ug/l

RT: 8.20 min Scan# 1999

Delta R.T. 0.04 min

Lab File: VN055464.D

Acq: 8 May 2019 3:15

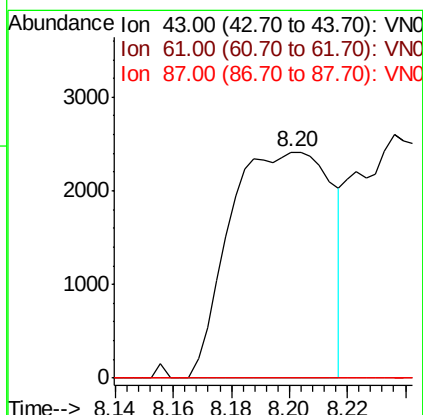
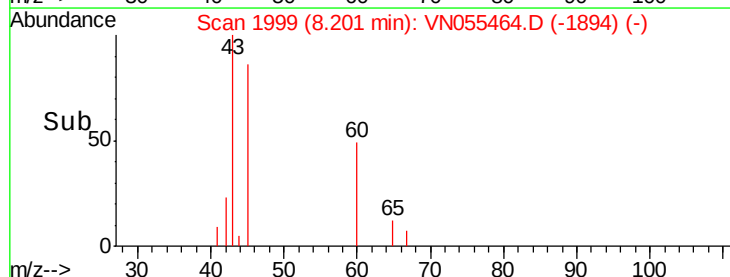
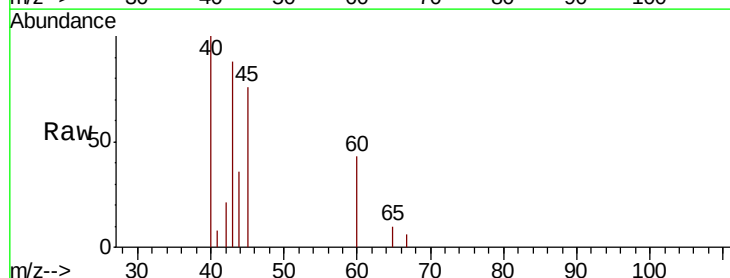
Tgt Ion: 43 Resp: 5862

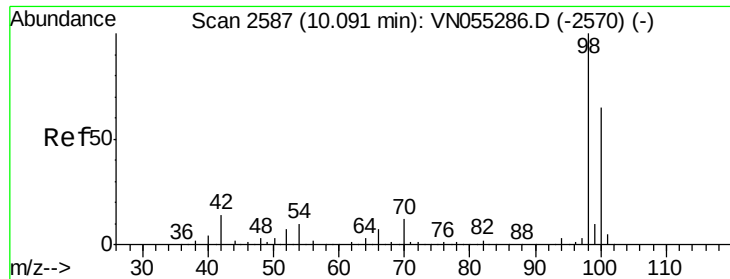
Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

87 0.0 8.5 12.7#





#50

Toluene-d8

Concen: 49.545 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055464.D

Acq: 8 May 2019 3:15

Instrument :

MSVOA_N

ClientSampleId :

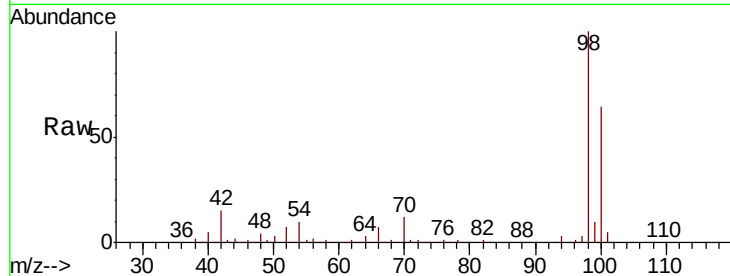
P026-SS003-0002-01

Tot Ion: 98 Resp: 820010

Ion Ratio Lower Upper

98 100

100 63.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

400000

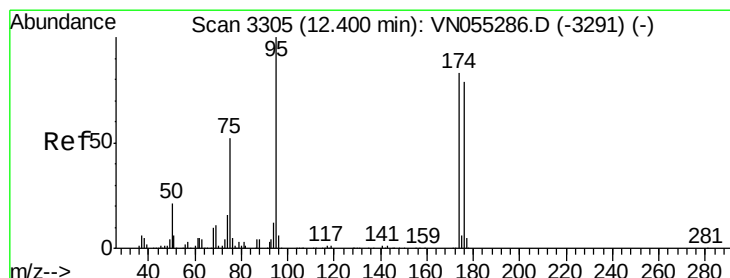
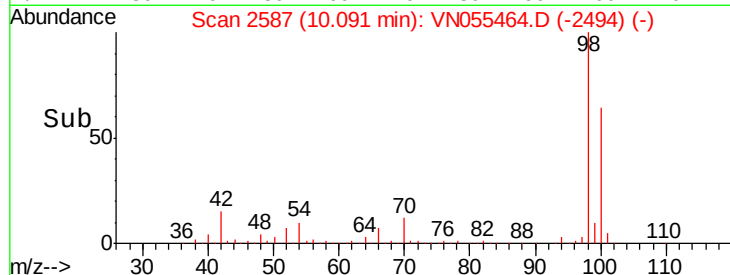
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.138 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN055464.D

Acq: 8 May 2019 3:15

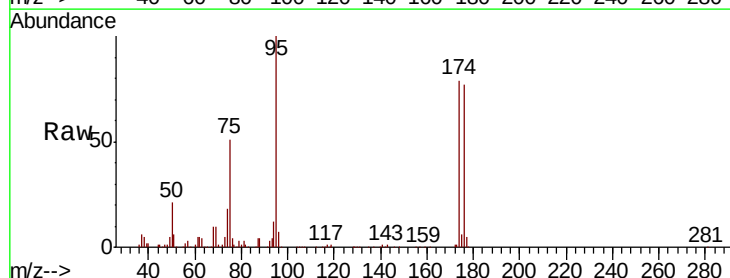
Tgt Ion: 95 Resp: 254176

Ion Ratio Lower Upper

95 100

174 81.0 0.0 166.6

176 78.0 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

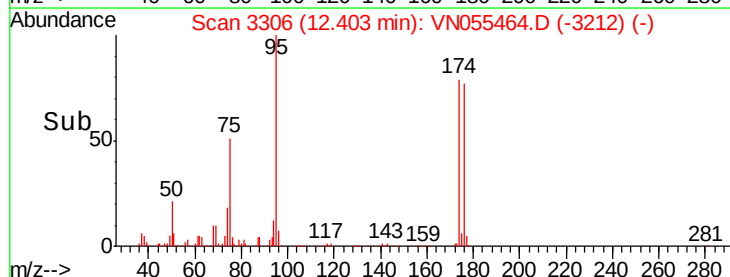
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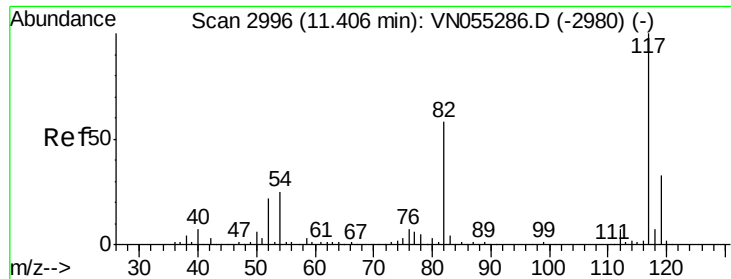
100000

50000

0

Time-->

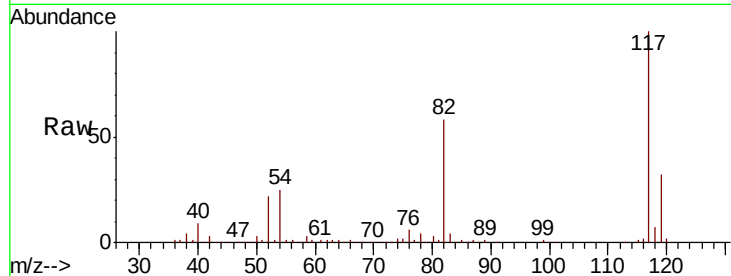




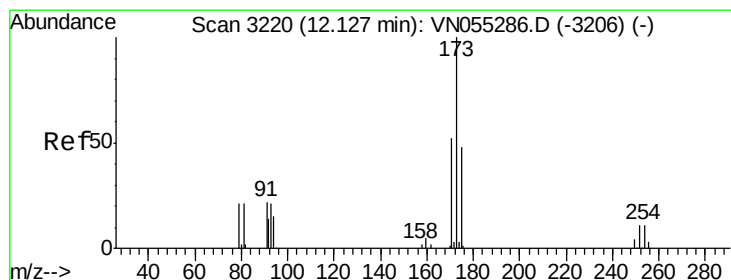
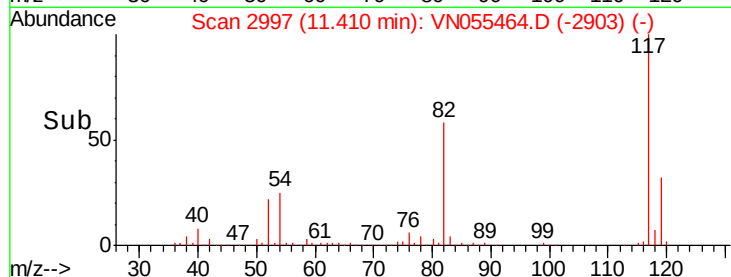
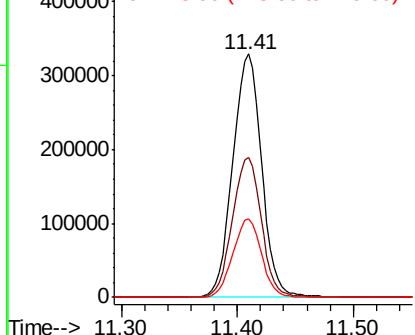
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055464.D
Acq: 8 May 2019 3:15

Instrument :
MSVOA_N
ClientSampleId :
P026-SS003-0002-01

Tot Ion:117 Resp: 566928
Ion Ratio Lower Upper
117 100
82 57.7 46.2 69.4
119 32.4 26.6 40.0

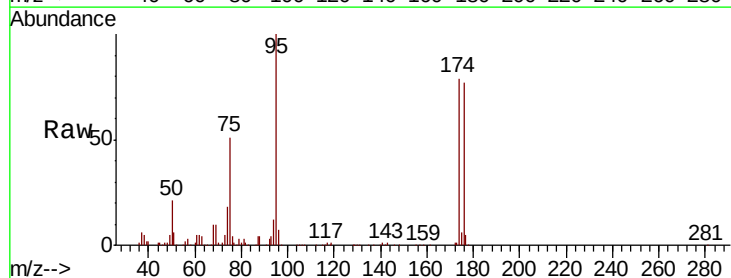


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

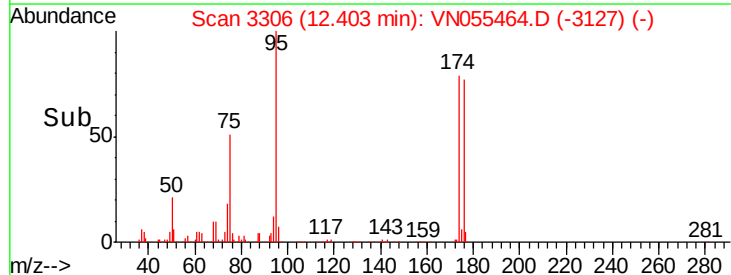
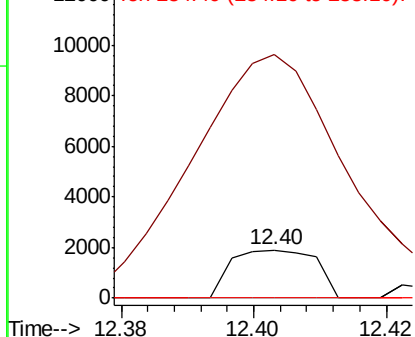


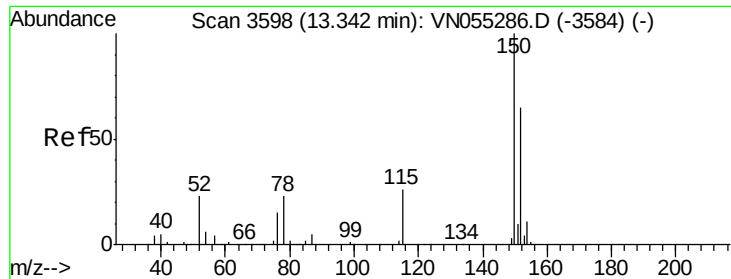
#71
Bromoform
Concen: 0.698 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055464.D
Acq: 8 May 2019 3:15

Tgt Ion:173 Resp: 1681
Ion Ratio Lower Upper
173 100
175 805.3 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

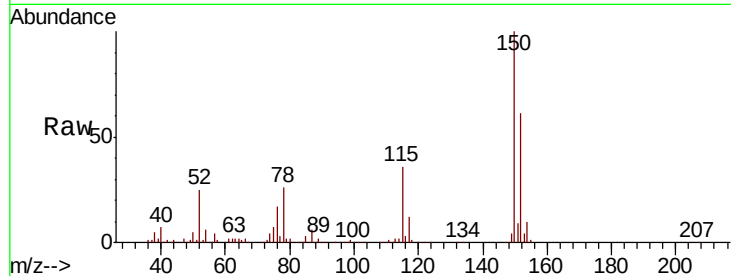




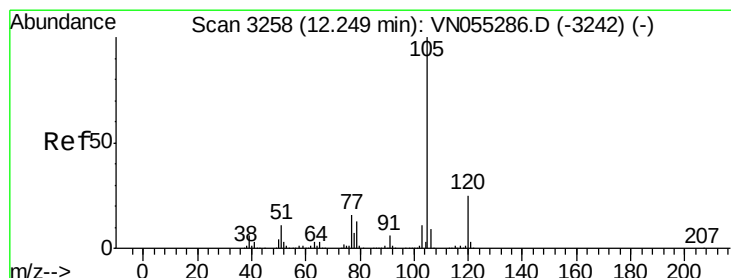
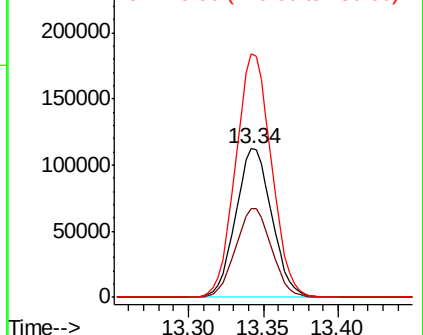
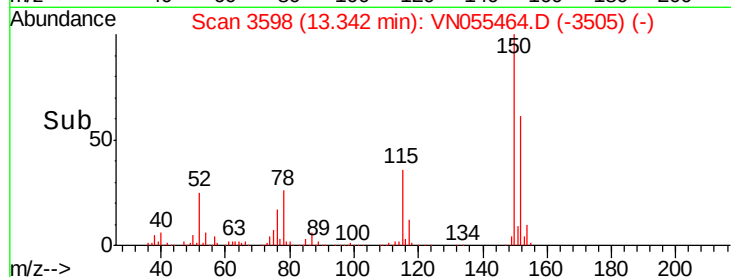
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN055464.D
 Acq: 8 May 2019 3:15

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS003-0002-01

Tot Ion:152 Resp: 188849
 Ion Ratio Lower Upper
 152 100
 115 59.5 29.0 87.0
 150 161.8 0.0 345.6

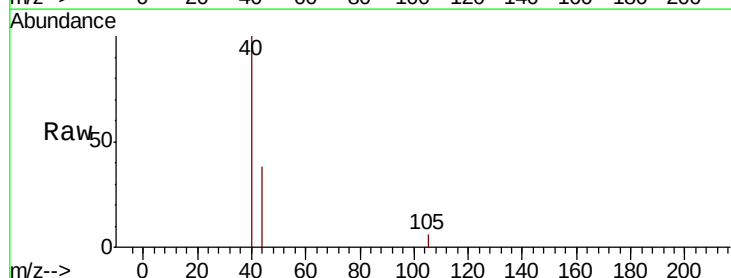


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

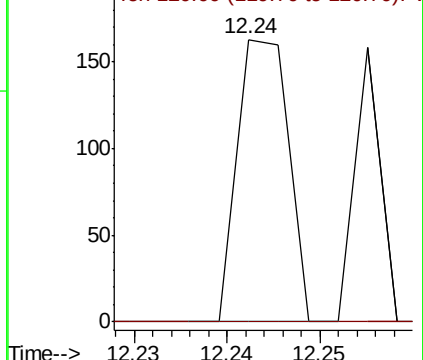
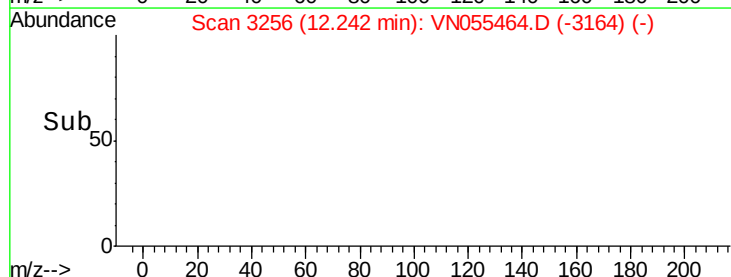


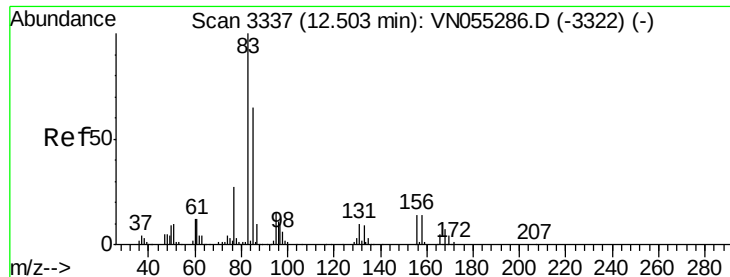
#73
 Isopropylbenzene
 Concen: Below Cal
 RT: 12.24 min Scan# 3256
 Delta R.T. -0.01 min
 Lab File: VN055464.D
 Acq: 8 May 2019 3:15

Tgt Ion:105 Resp: 62
 Ion Ratio Lower Upper
 105 100
 120 0.0 12.9 38.7#



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# 3305

Delta R.T. -0.10 min

Lab File: VN055464.D

Acq: 8 May 2019 3:15

Instrument :

MSVOA_N

ClientSampleId :

P026-SS003-0002-01

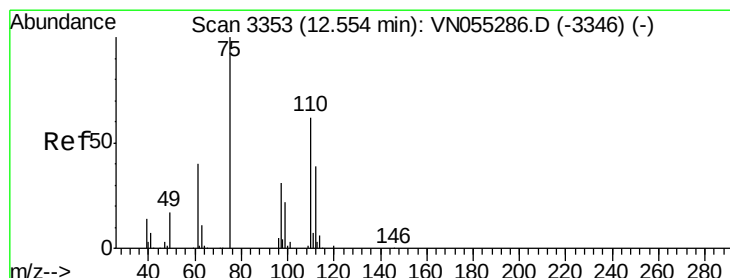
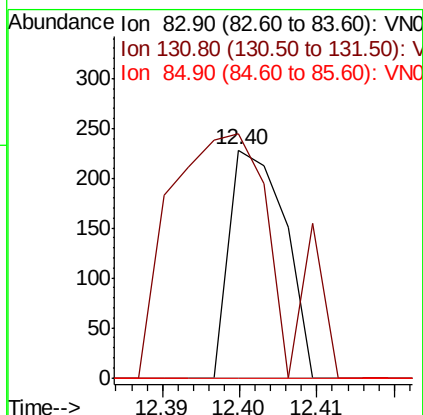
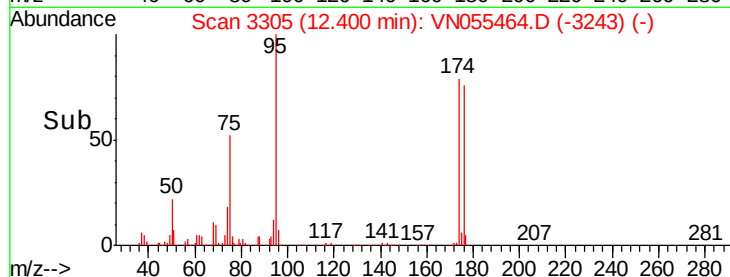
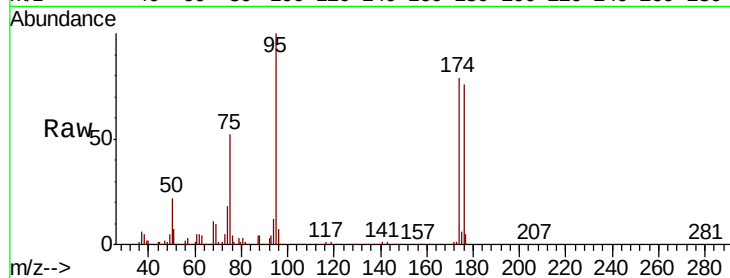
Tot Ion: 83 Resp: 114

Ion Ratio Lower Upper

83 100

131 207.0 5.1 15.2#

85 0.0 32.3 96.8#



#76

1,2,3-Trichloropropane

Concen: 37.018 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055464.D

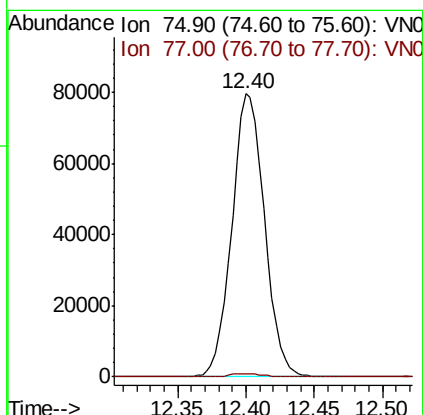
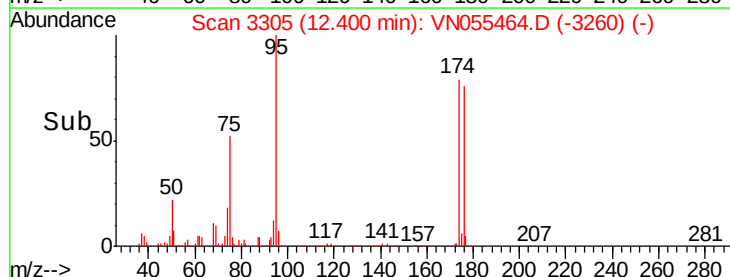
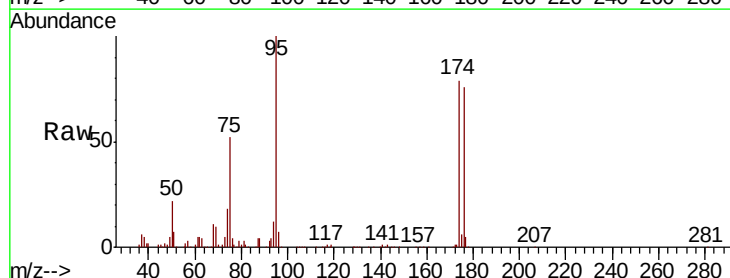
Acq: 8 May 2019 3:15

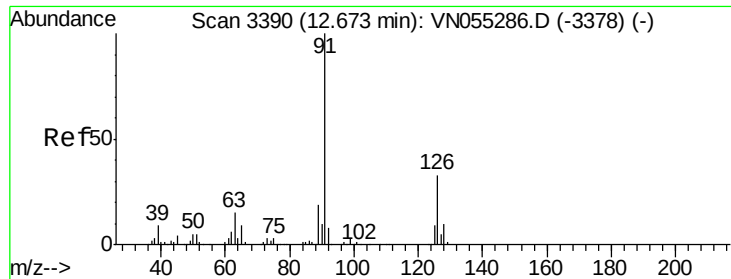
Tgt Ion: 75 Resp: 132238

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN055464.D

Acq: 8 May 2019 3:15

Instrument :

MSVOA_N

ClientSampleId :

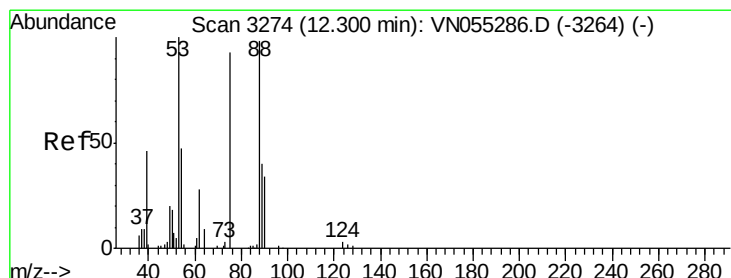
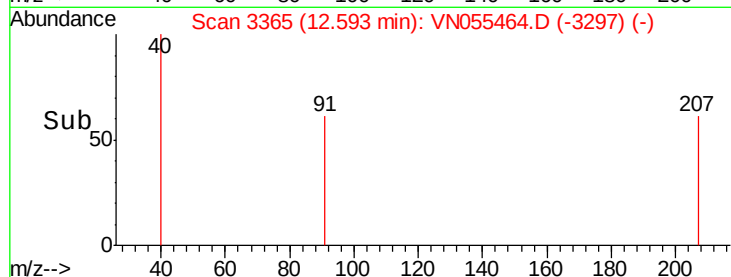
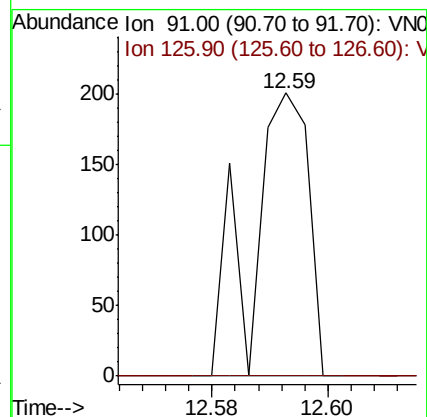
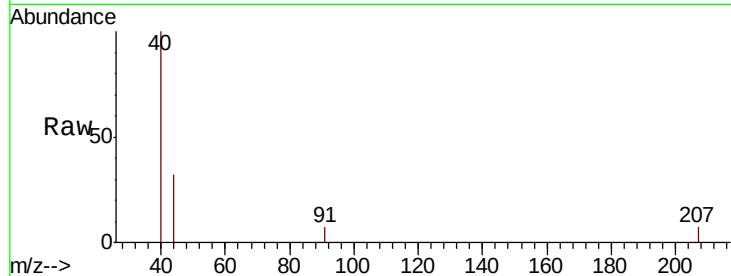
P026-SS003-0002-01

Tot Ion: 91 Resp: 136

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 132.699 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055464.D

Acq: 8 May 2019 3:15

Tgt Ion: 75 Resp: 132238

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

89 0.0 34.6 51.8#

