

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055467.D
 Acq On : 8 May 2019 4:31
 Operator : JC/SP
 Sample : K2717-17
 Misc : 4.60g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS003-1218-01

Quant Time: May 08 05:57:40 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	436747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	670356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	559235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180918	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	286956	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
35) Dibromofluoromethane	7.59	113	213232	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
50) Toluene-d8	10.09	98	799092	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	242865	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	

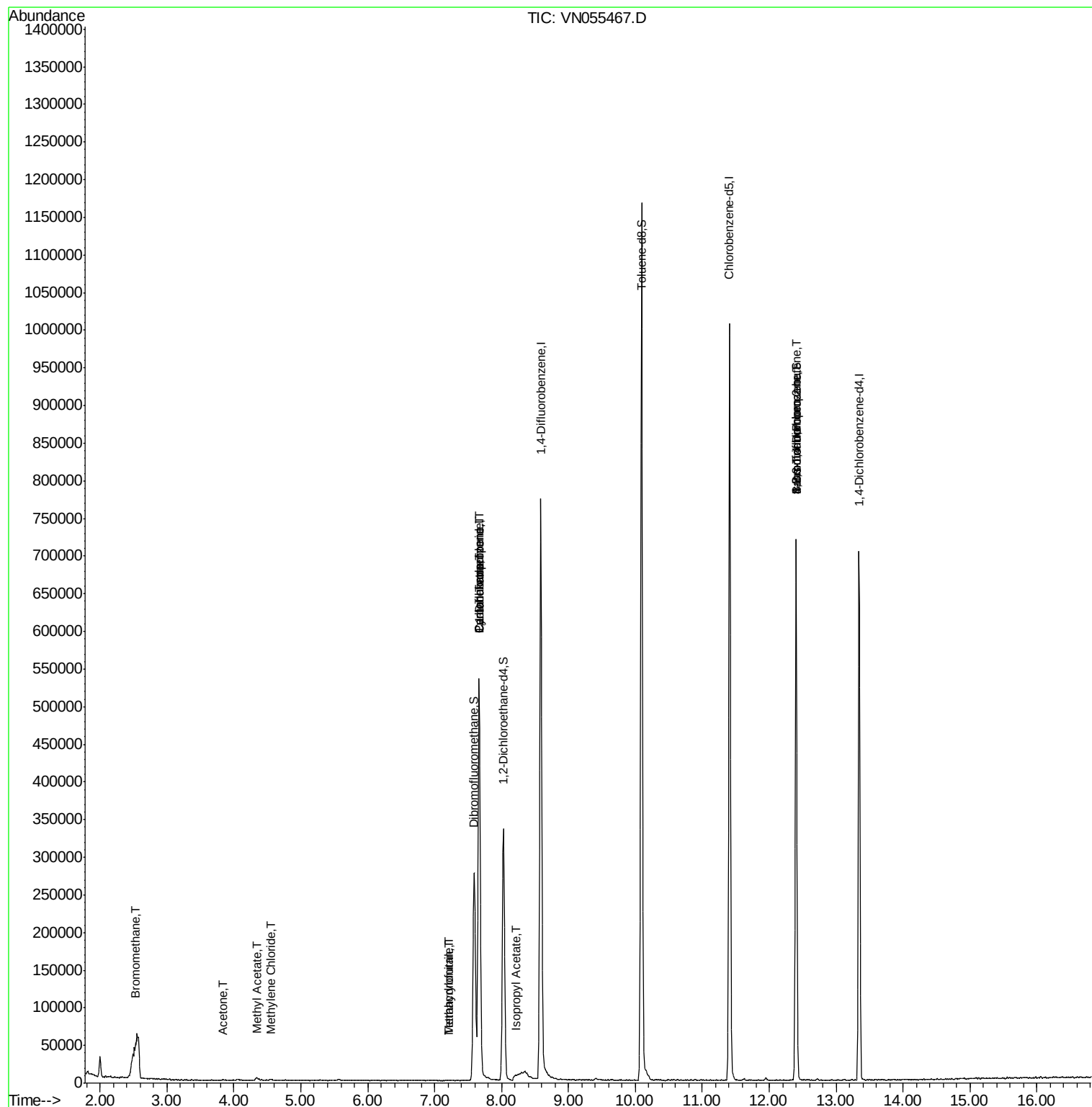
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.53	94	923	0.326	ug/l #	2
16) Acetone	3.82	43	506	0.284	ug/l #	45
18) Methyl Acetate	4.34	43	6608	0.498	ug/l #	79
20) Methylene Chloride	4.55	84	1298	0.239	ug/l #	62
29) Tetrahydrofuran	7.23	42	436	0.299	ug/l #	40
31) Cyclohexane	7.66	56	9550	1.063	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	34444	5.364	ug/l #	51
38) Carbon Tetrachloride	7.66	117	43340	6.997	ug/l #	16
41) Methacrylonitrile	7.22	41	245	0.831	ug/l #	41
43) Isopropyl Acetate	8.21	43	8861	1.120	ug/l #	56
71) Bromoform	12.40	173	1118	0.471	ug/l #	1
73) Isopropylbenzene	12.40	105	245	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.40	83	29	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	126895	37.084	ug/l #	100
79) 2-Chlorotoluene	12.40	91	1212	Below Cal	#	46
81) trans-1,4-Dichloro-2-buten	12.40	75	126895	132.919	ug/l #	7

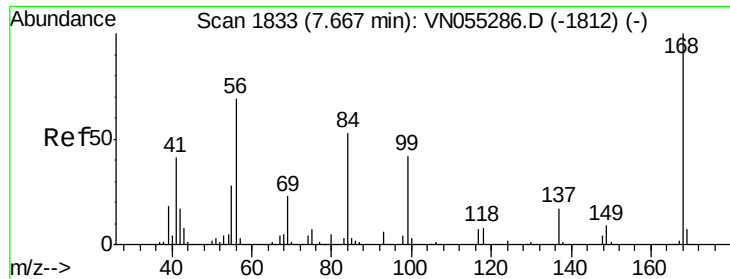
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050719\
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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: VN055467.D

Acq: 8 May 2019 4:31

Instrument :

MSVOA_N

ClientSampleId :

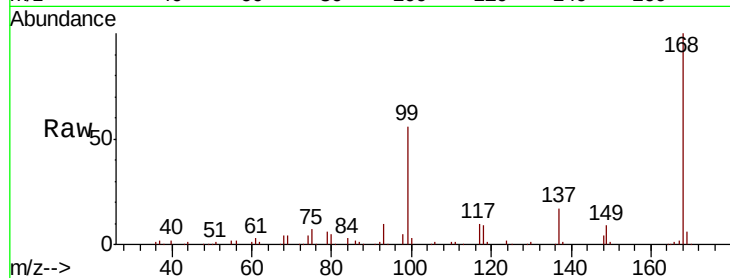
P026-SS003-1218-01

Tot Ion:168 Resp: 436747

Ion Ratio Lower Upper

168 100

99 56.2 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

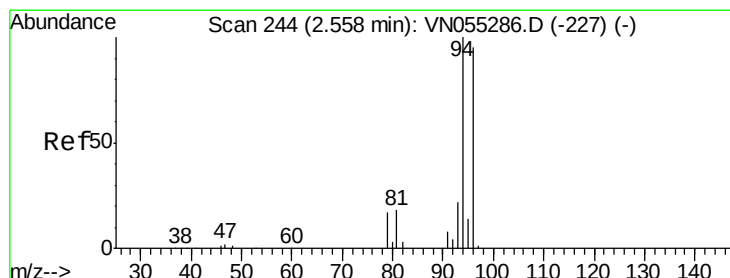
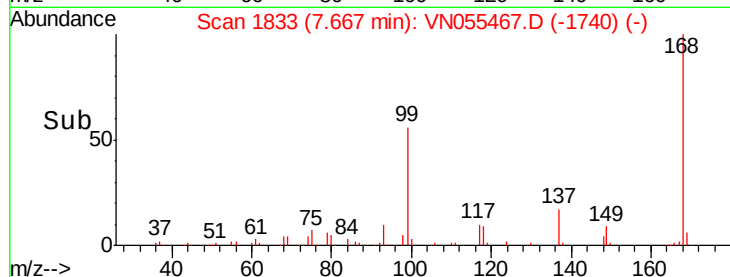
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: 0.326 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.03 min

Lab File: VN055467.D

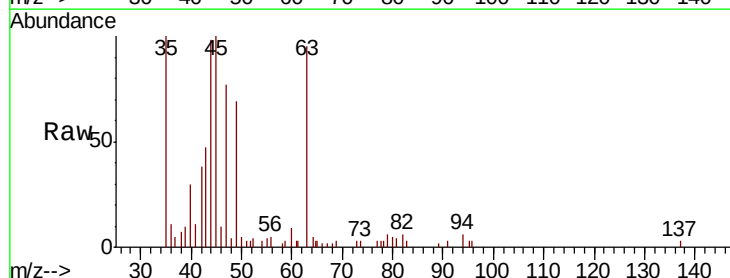
Acq: 8 May 2019 4:31

Tgt Ion: 94 Resp: 923

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.53

400

300

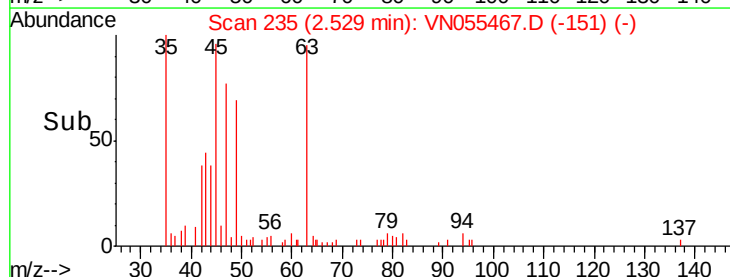
200

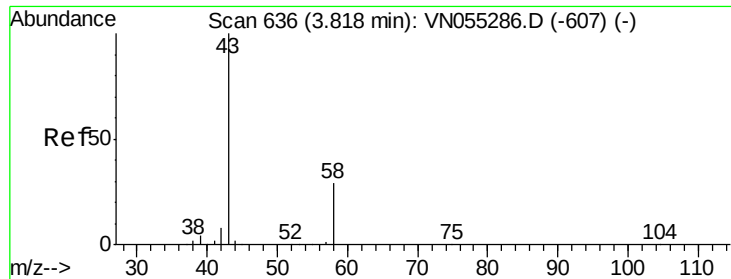
100

0

2.50 2.55

Time-->





#16

Acetone

Concen: 0.284 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055467.D

Acq: 8 May 2019 4:31

Instrument :

MSVOA_N

ClientSampleId :

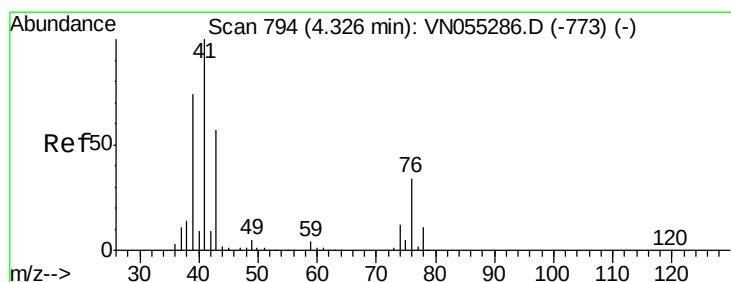
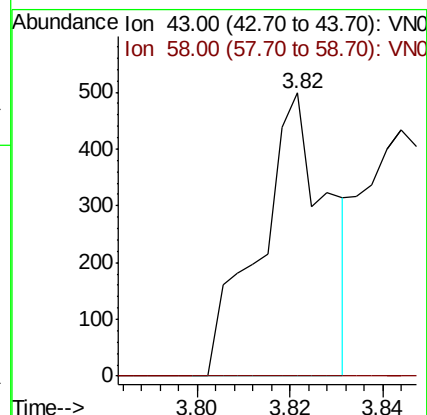
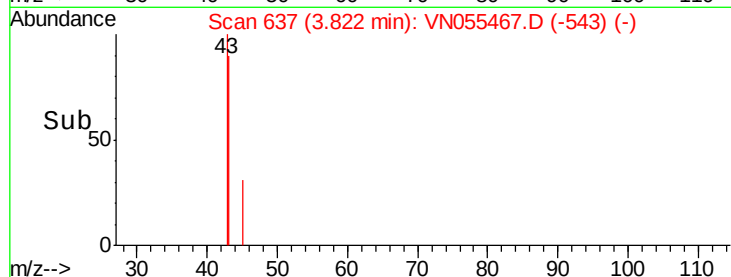
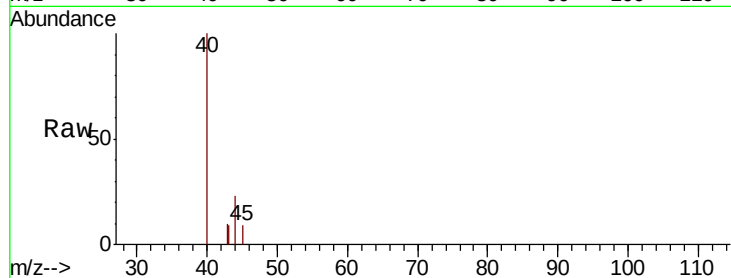
P026-SS003-1218-01

Tot Ion: 43 Resp: 506

Ion Ratio Lower Upper

43 100

58 0.0 23.6 35.4#



#18

Methyl Acetate

Concen: 0.498 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN055467.D

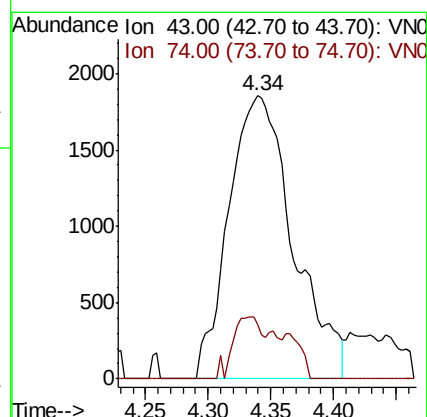
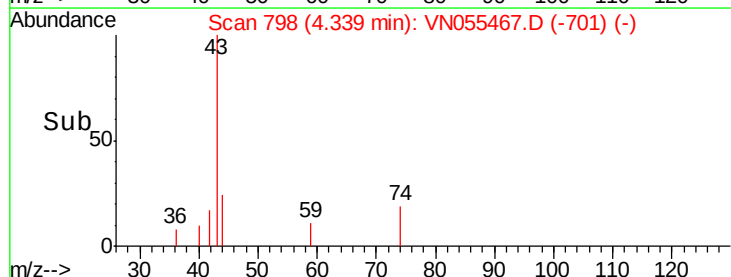
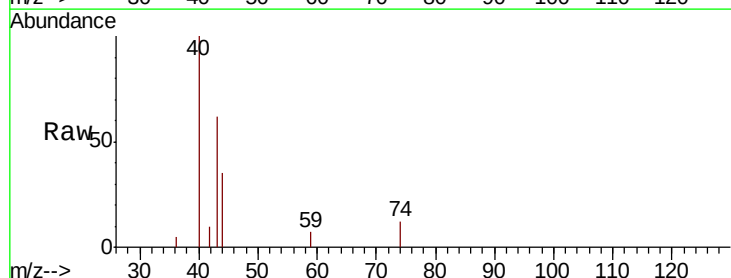
Acq: 8 May 2019 4:31

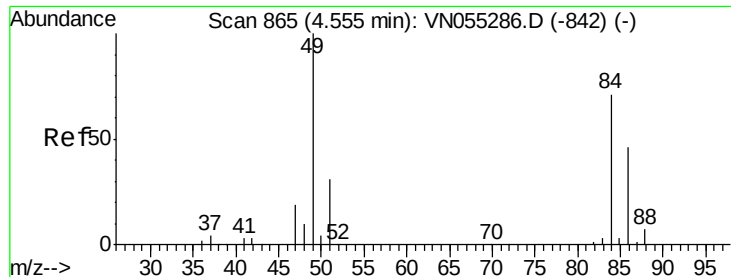
Tgt Ion: 43 Resp: 6608

Ion Ratio Lower Upper

43 100

74 10.1 15.8 23.8#

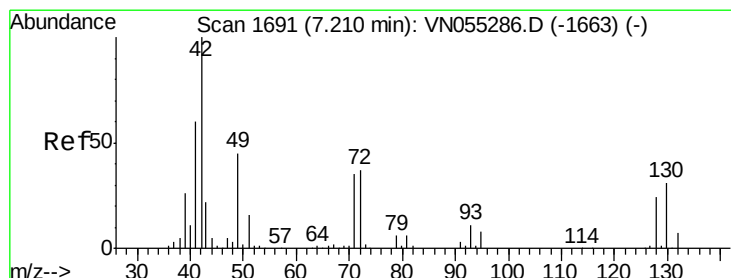
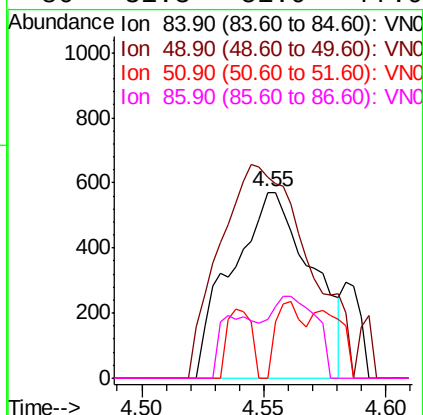
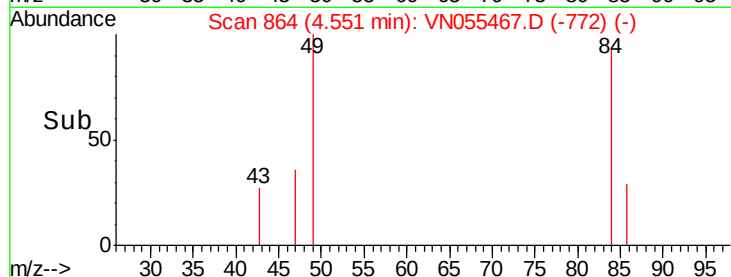
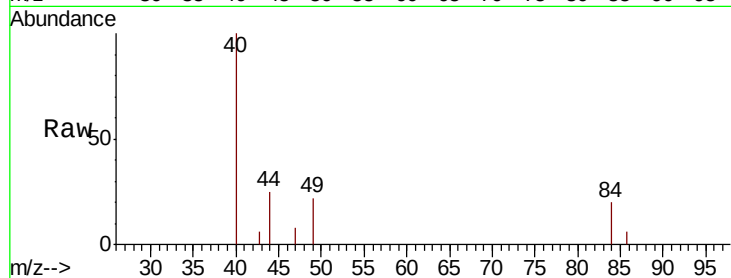




#20
Methylene Chloride
Concen: 0.239 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055467.D
Acq: 8 May 2019 4:31

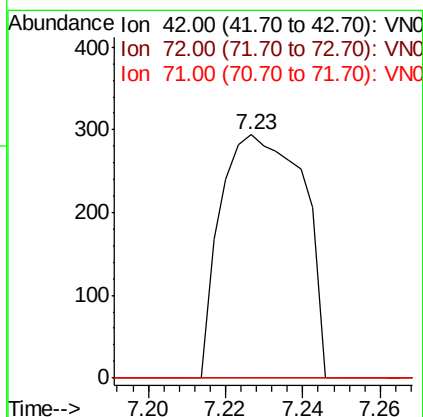
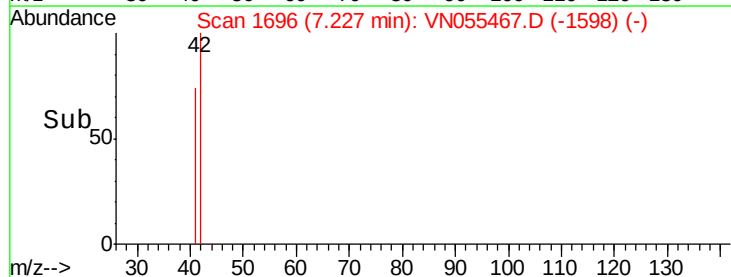
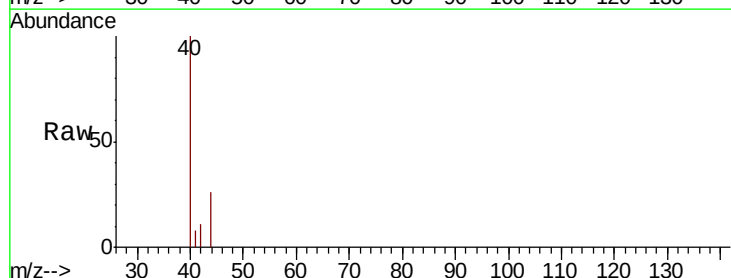
Instrument :
MSVOA_N
ClientSampleId :
P026-SS003-1218-01

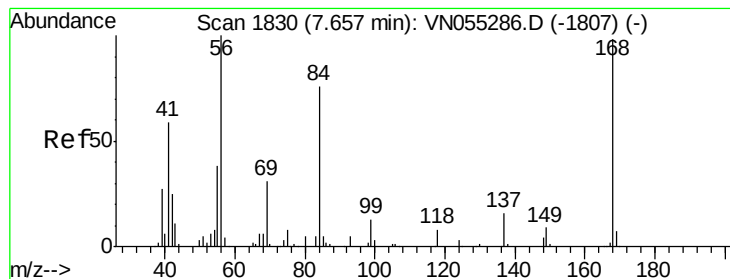
Tot Ion: 84 Resp: 1298
Ion Ratio Lower Upper
84 100
49 108.1 112.4 168.6#
51 0.0 34.6 51.8#
86 31.3 51.9 77.9#



#29
Tetrahydrofuran
Concen: 0.299 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.02 min
Lab File: VN055467.D
Acq: 8 May 2019 4:31

Tgt Ion: 42 Resp: 436
Ion Ratio Lower Upper
42 100
72 0.0 29.0 43.6#
71 0.0 27.1 40.7#





#31

Cyclohexane

Concen: 1.063 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN055467.D

Acq: 8 May 2019 4:31

Instrument :

MSVOA_N

ClientSampleId :

P026-SS003-1218-01

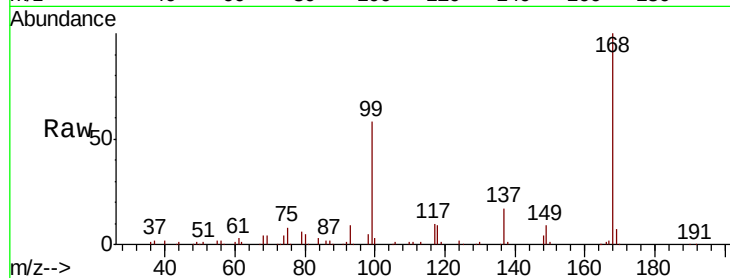
Tot Ion: 56 Resp: 9550

Ion Ratio Lower Upper

56 100

69 178.0 25.2 37.8#

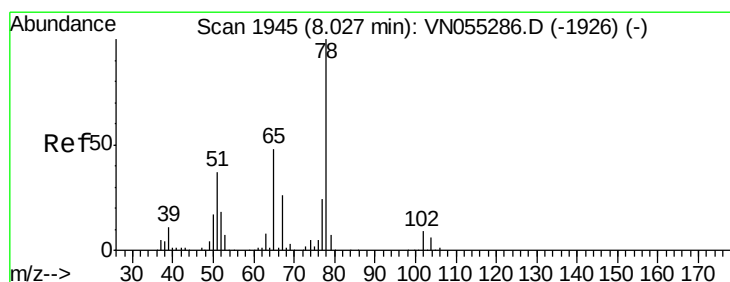
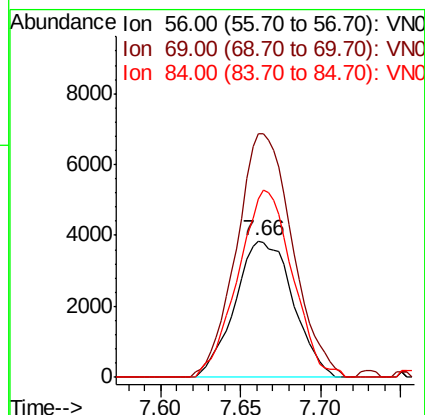
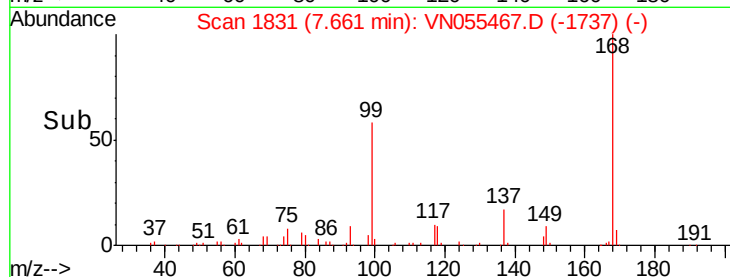
84 130.2 61.1 91.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.223 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055467.D

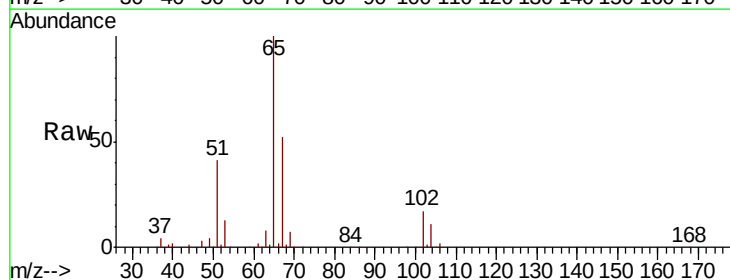
Acq: 8 May 2019 4:31

Tgt Ion: 65 Resp: 286956

Ion Ratio Lower Upper

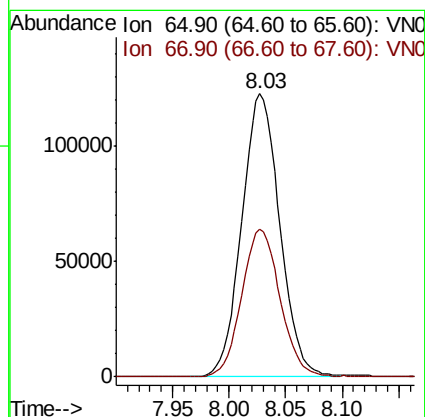
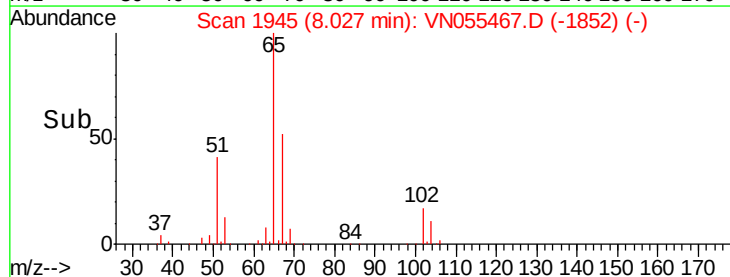
65 100

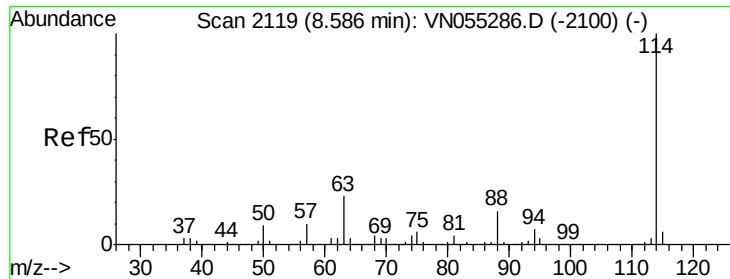
67 52.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

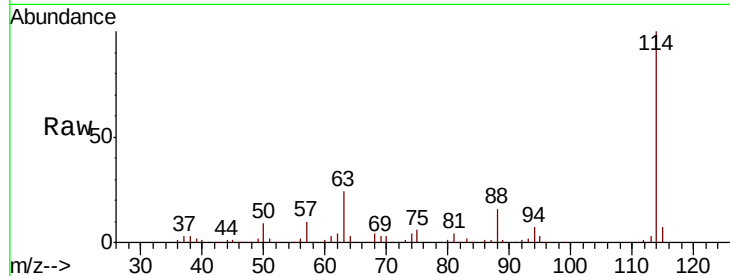




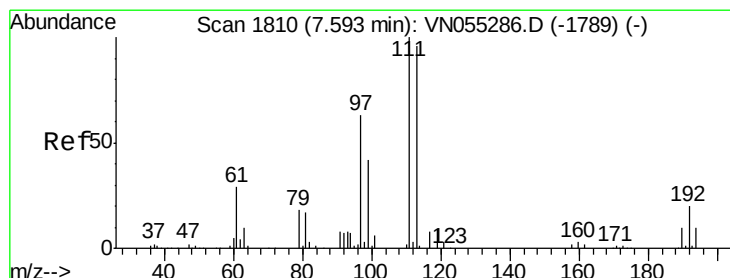
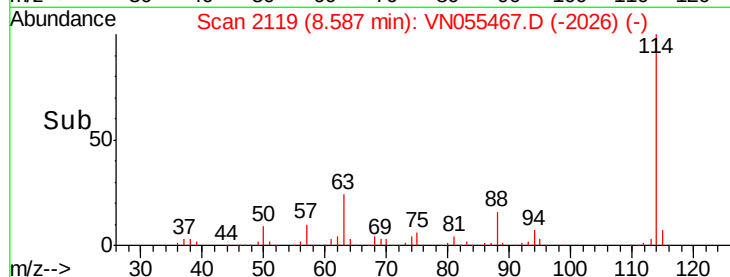
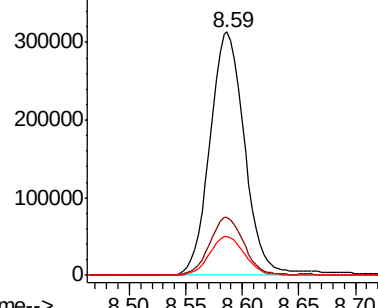
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN055467.D
Acq: 8 May 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
P026-SS003-1218-01

Tot Ion:114 Resp: 670356
Ion Ratio Lower Upper
114 100
63 23.8 0.0 45.2
88 16.2 0.0 31.6

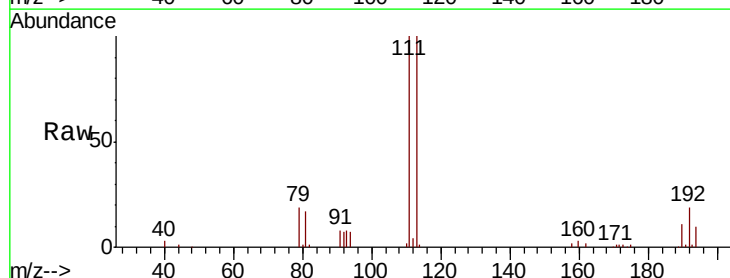


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

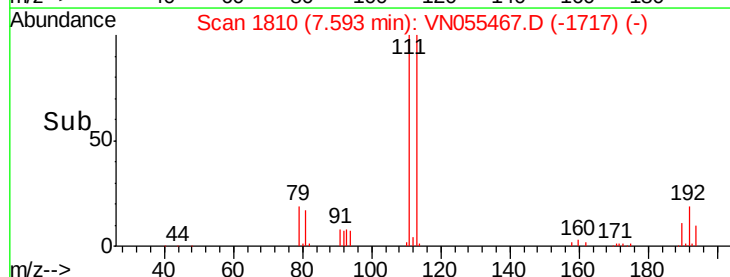
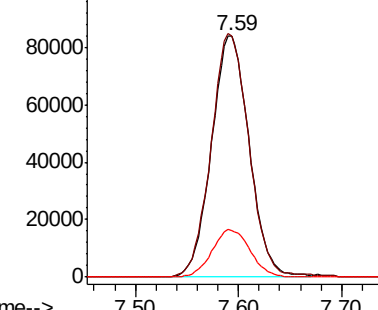


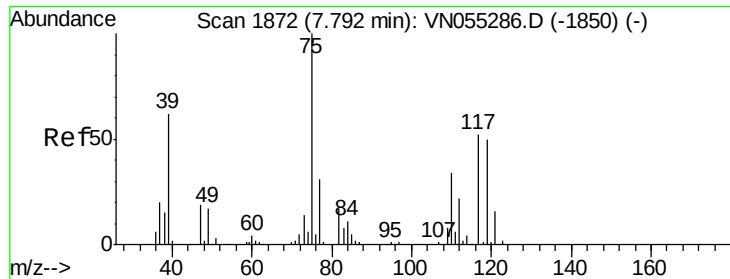
#35
Dibromofluoromethane
Concen: 48.462 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055467.D
Acq: 8 May 2019 4:31

Tgt Ion:113 Resp: 213232
Ion Ratio Lower Upper
113 100
111 101.8 82.3 123.5
192 20.0 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: 5.364 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN055467.D

Acq: 8 May 2019 4:31

Instrument :

MSVOA_N

ClientSampleId :

P026-SS003-1218-01

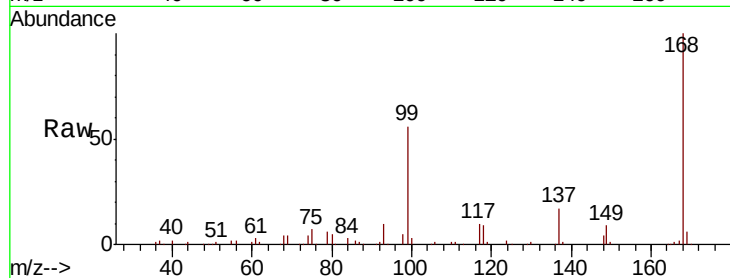
Tot Ion: 75 Resp: 34444

Ion Ratio Lower Upper

75 100

110 9.3 16.8 50.4#

77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-1850) (-)

Ion 109.90 (109.60 to 110.60): VN055286.D (-1850) (-)

Ion 76.90 (76.60 to 77.60): VN055286.D (-1850) (-)

7.67

15000

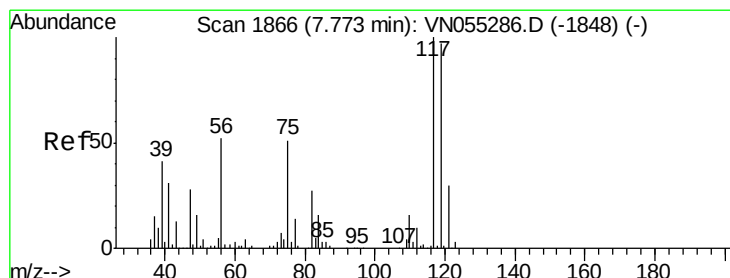
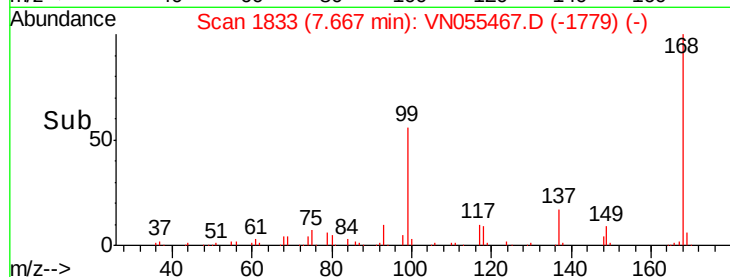
10000

5000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#38

Carbon Tetrachloride

Concen: 6.997 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055467.D

Acq: 8 May 2019 4:31

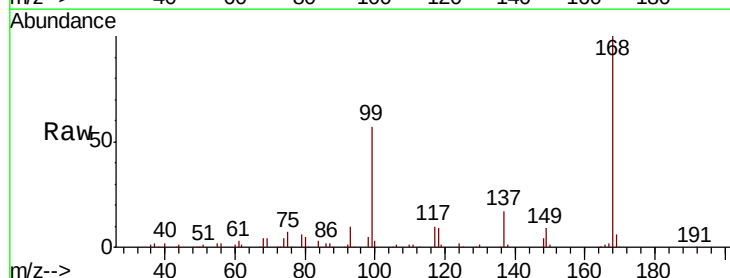
Tgt Ion: 117 Resp: 43340

Ion Ratio Lower Upper

117 100

119 5.7 77.0 115.6#

121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN055286.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN055286.D (-1848) (-)

7.66

25000

20000

15000

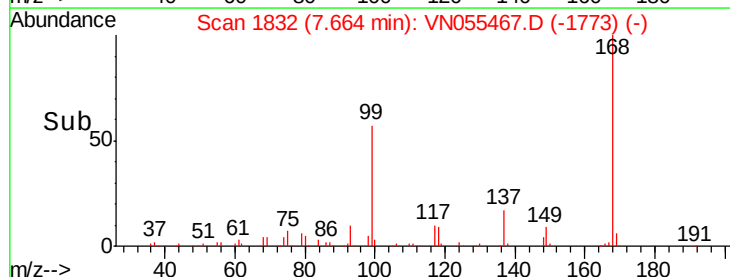
10000

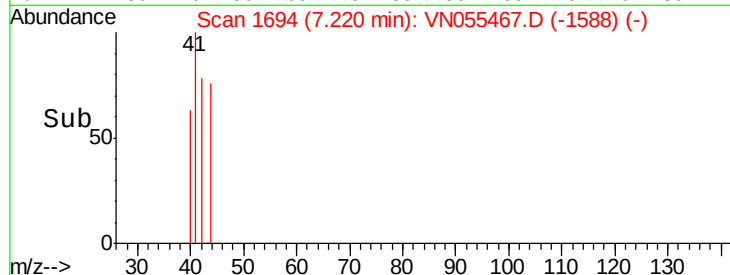
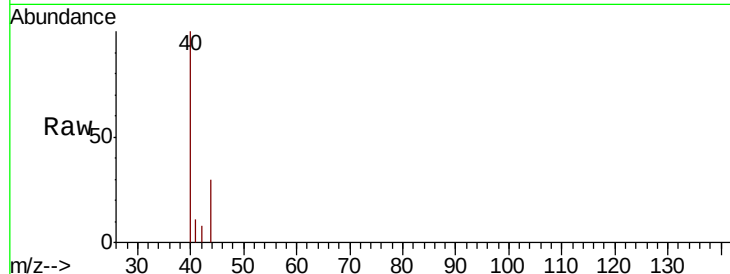
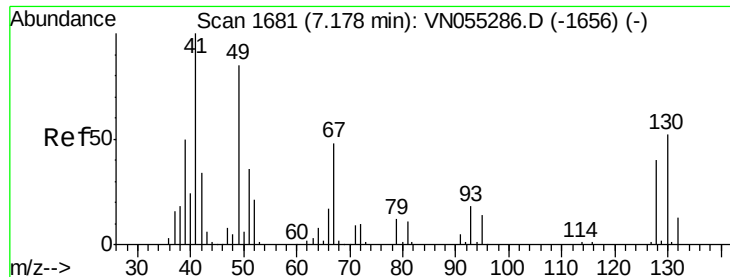
5000

0

7.55 7.60 7.65 7.70 7.75

Time-->

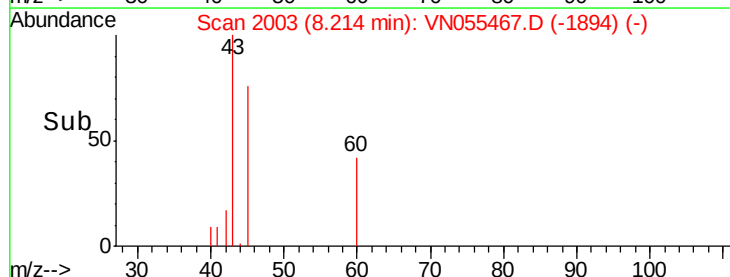
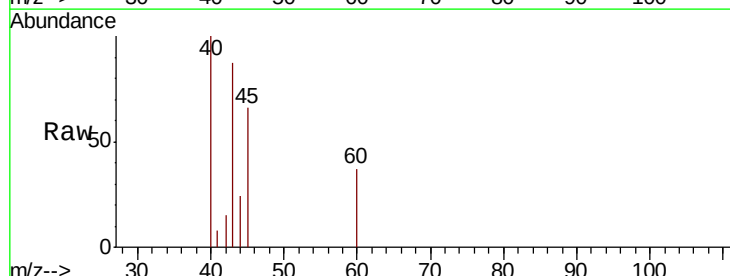
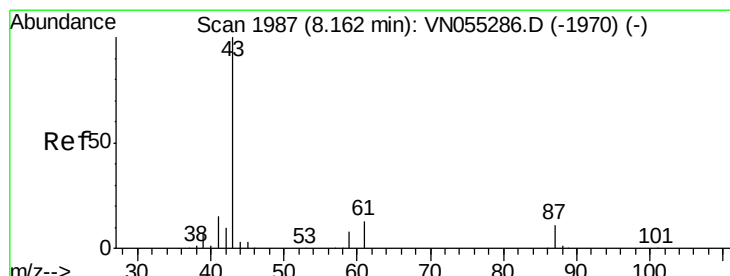
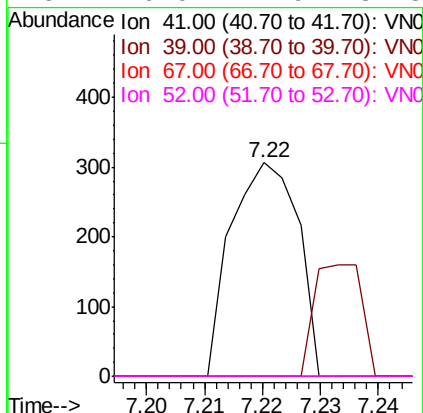




#41
Methacrylonitrile
Concen: 0.831 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.04 min
Lab File: VN055467.D
Acq: 8 May 2019 4:31

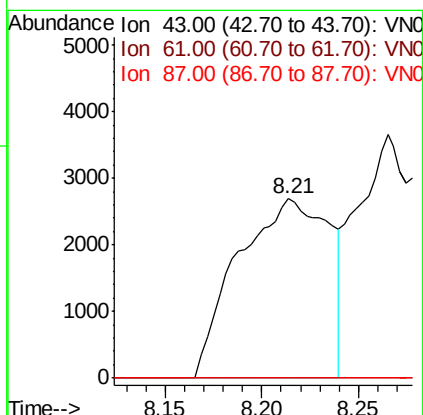
Instrument :
MSVOA_N
ClientSampleId :
P026-SS003-1218-01

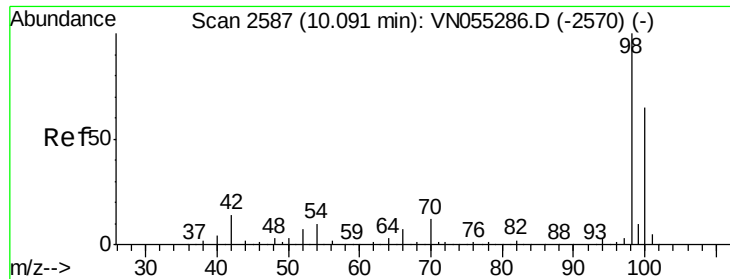
Tot Ion:	41	Resp:	245
Ion	Ratio	Lower	Upper
41	100		
39	37.1	48.5	72.7#
67	0.0	54.9	82.3#
52	0.0	24.9	37.3#



#43
Isopropyl Acetate
Concen: 1.120 ug/l
RT: 8.21 min Scan# 2003
Delta R.T. 0.05 min
Lab File: VN055467.D
Acq: 8 May 2019 4:31

Tgt Ion:	43	Resp:	8861
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.8	31.2#
87	0.0	8.5	12.7#





#50

Toluene-d8

Concen: 50.296 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055467.D

Acq: 8 May 2019 4:31

Instrument :

MSVOA_N

ClientSampleId :

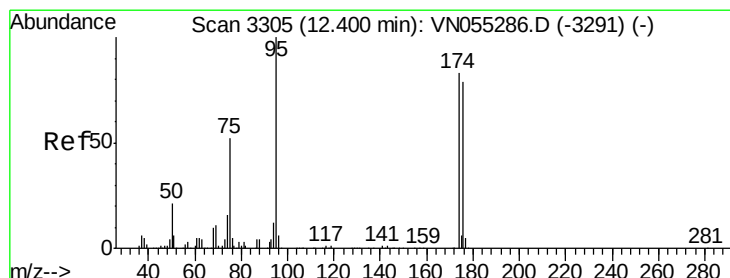
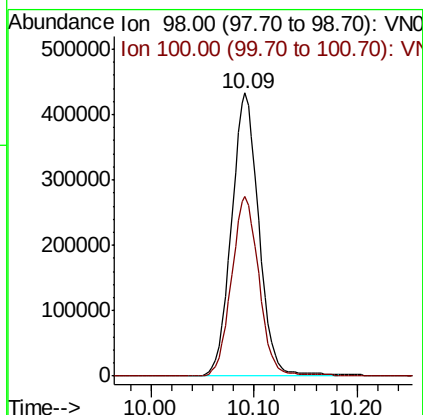
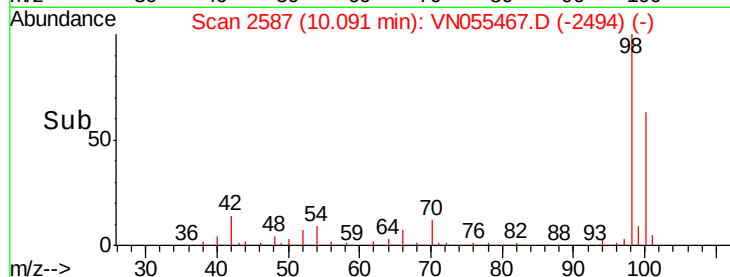
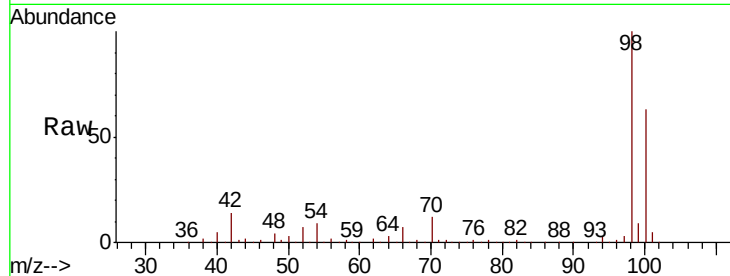
P026-SS003-1218-01

Tot Ion: 98 Resp: 799092

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 48.910 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN055467.D

Acq: 8 May 2019 4:31

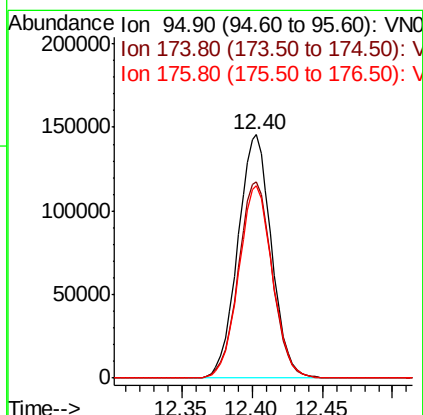
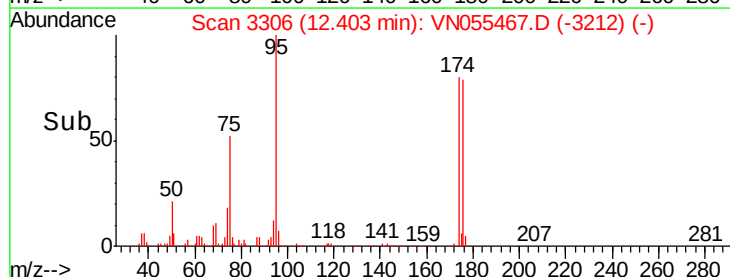
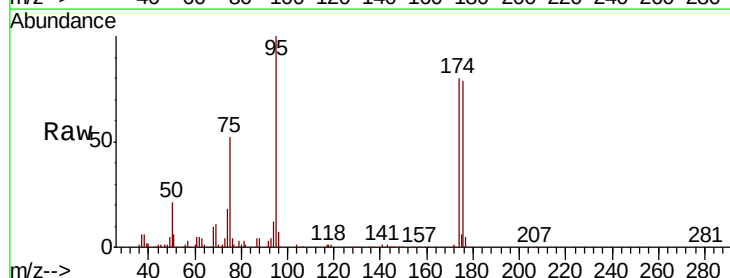
Tgt Ion: 95 Resp: 242865

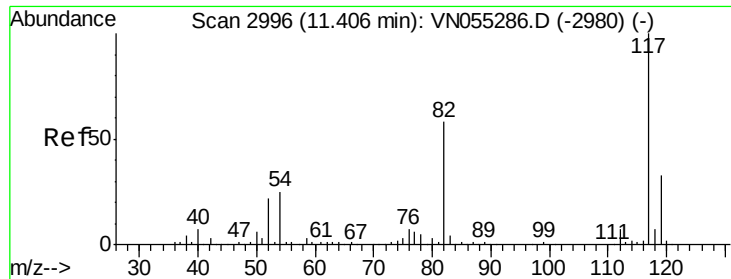
Ion Ratio Lower Upper

95 100

174 81.3 0.0 166.6

176 79.2 0.0 157.8

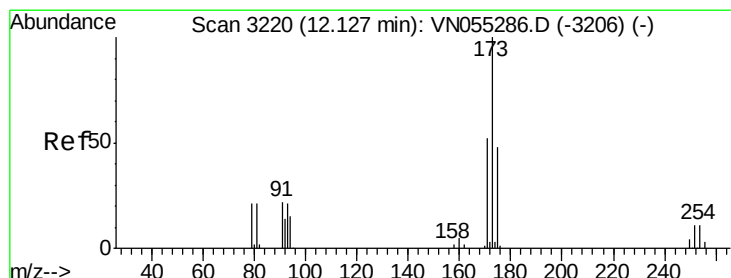
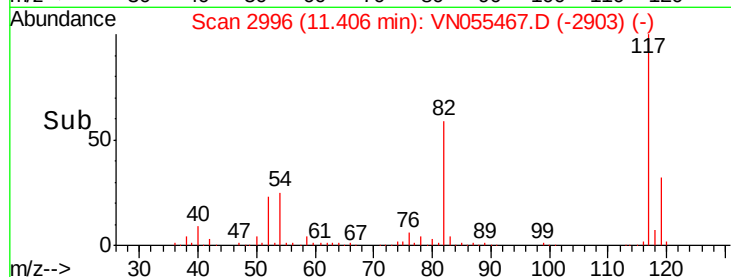
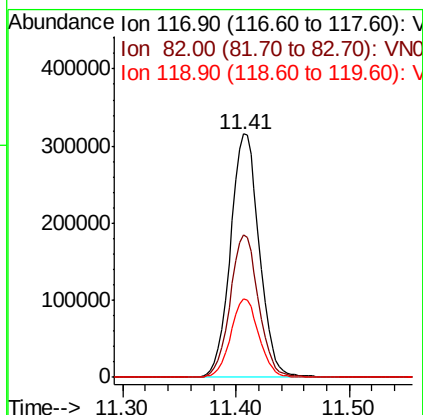
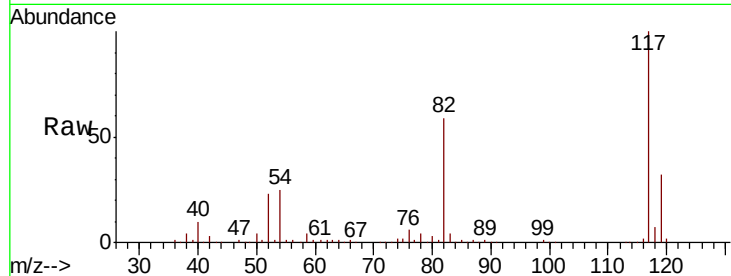




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055467.D
Acq: 8 May 2019 4:31

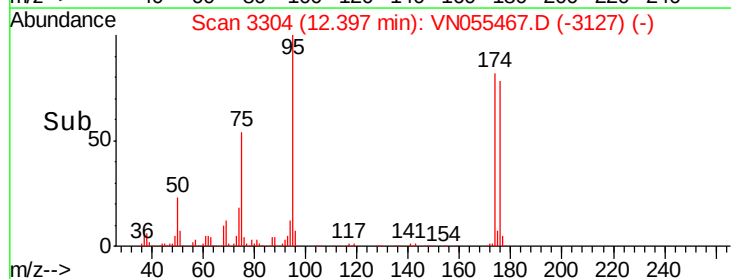
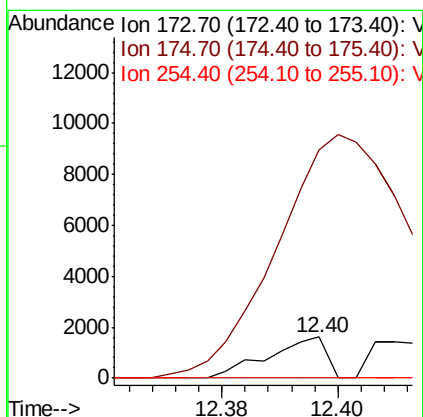
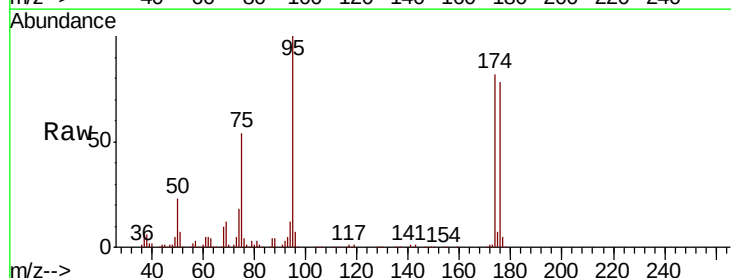
Instrument :
MSVOA_N
ClientSampleId :
P026-SS003-1218-01

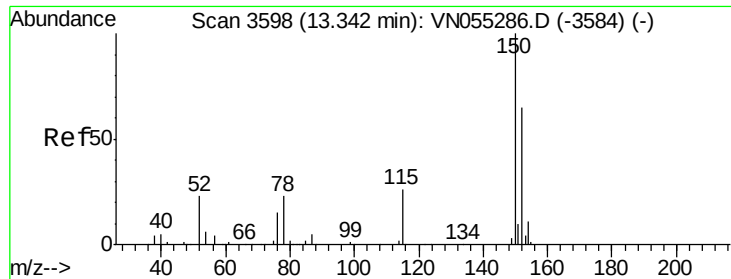
Tot Ion:117 Resp: 559235
Ion Ratio Lower Upper
117 100
82 58.6 46.2 69.4
119 32.2 26.6 40.0



#71
Bromoform
Concen: 0.471 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN055467.D
Acq: 8 May 2019 4:31

Tgt Ion:173 Resp: 1118
Ion Ratio Lower Upper
173 100
175 1228.1 23.6 71.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055467.D

Acq: 8 May 2019 4:31

Instrument :

MSVOA_N

ClientSampleId :

P026-SS003-1218-01

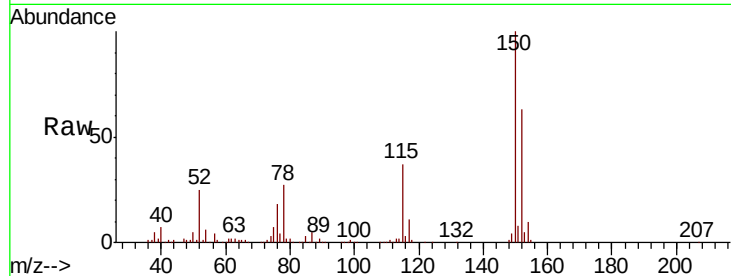
Tot Ion:152 Resp: 180918

Ion Ratio Lower Upper

152 100

115 59.5 29.0 87.0

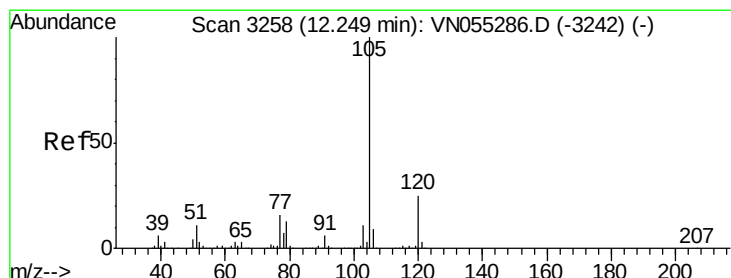
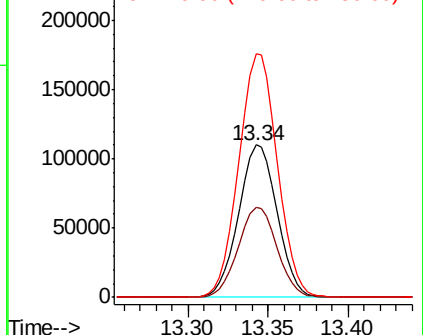
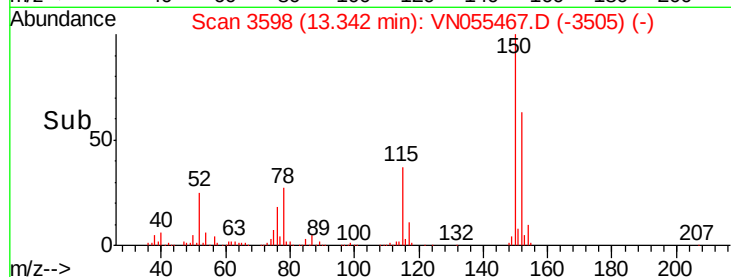
150 159.7 0.0 345.6



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: 12.40 min Scan# 3305

Delta R.T. 0.15 min

Lab File: VN055467.D

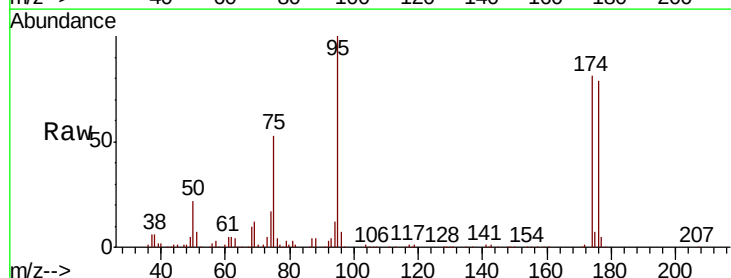
Acq: 8 May 2019 4:31

Tgt Ion:105 Resp: 245

Ion Ratio Lower Upper

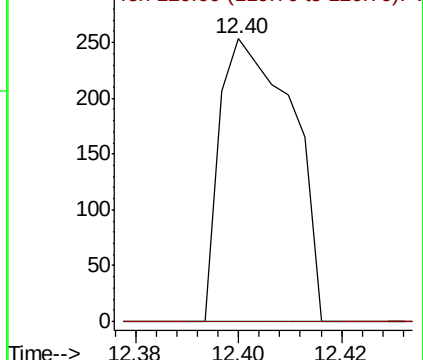
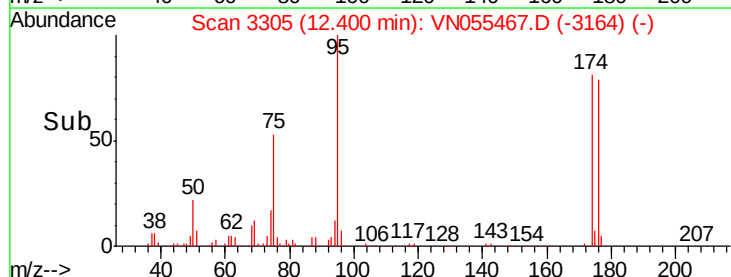
105 100

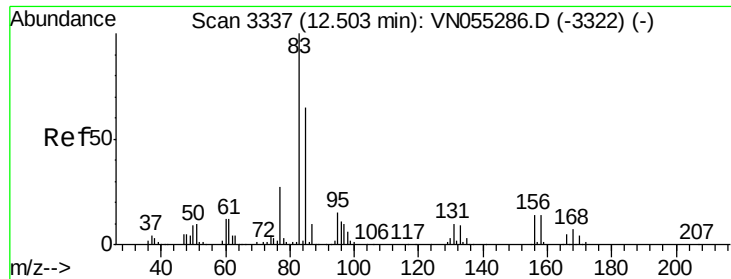
120 0.0 12.9 38.7#



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# 3304

Delta R.T. -0.11 min

Lab File: VN055467.D

Acq: 8 May 2019 4:31

Instrument :

MSVOA_N

ClientSampleId :

P026-SS003-1218-01

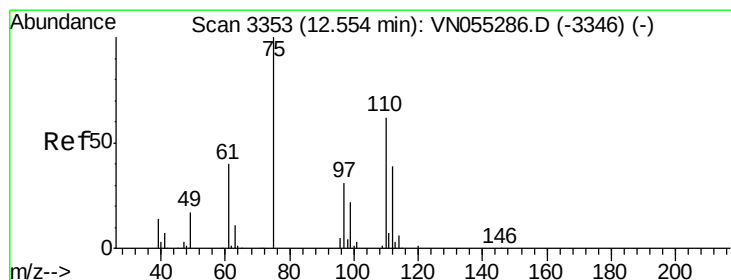
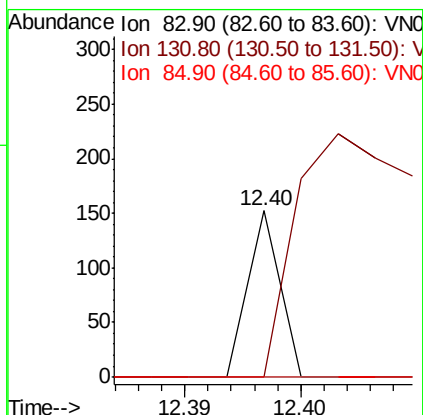
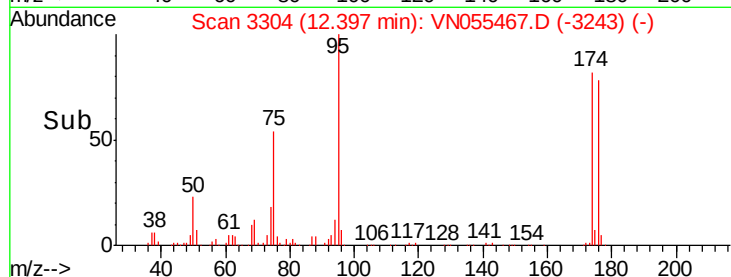
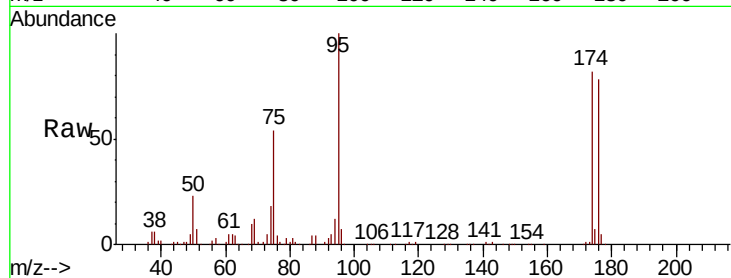
Tot Ion: 83 Resp: 29

Ion Ratio Lower Upper

83 100

131 644.8 5.1 15.2#

85 0.0 32.3 96.8#



#76

1,2,3-Trichloropropane

Concen: 37.084 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055467.D

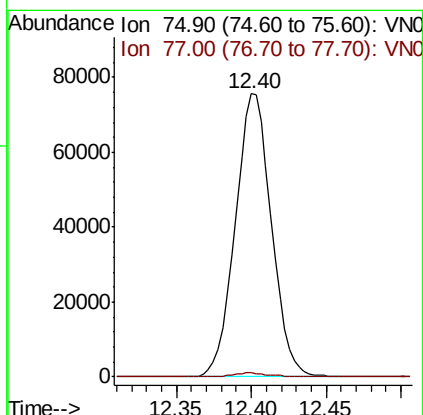
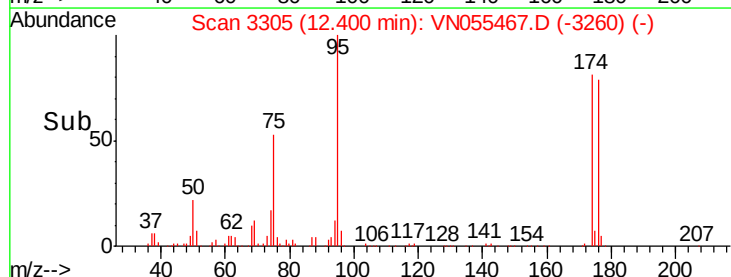
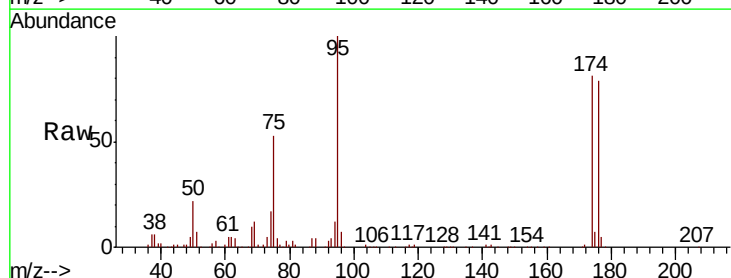
Acq: 8 May 2019 4:31

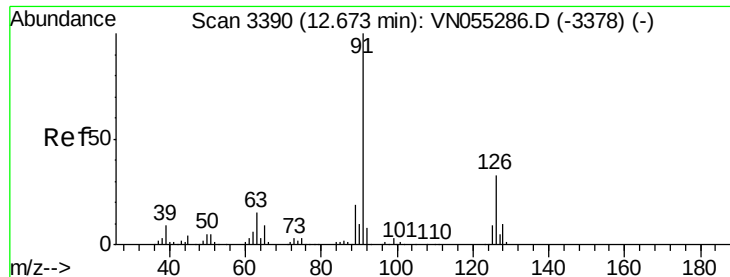
Tgt Ion: 75 Resp: 126895

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.28 min

Lab File: VN055467.D

Acq: 8 May 2019 4:31

Instrument :

MSVOA_N

ClientSampleId :

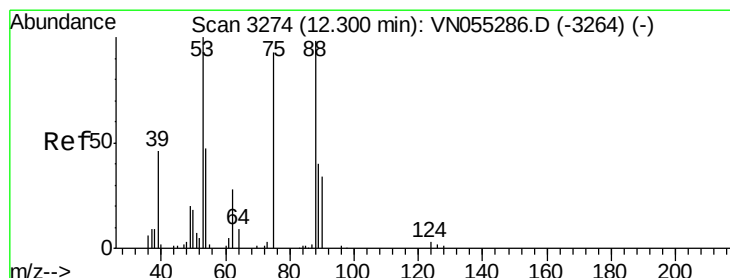
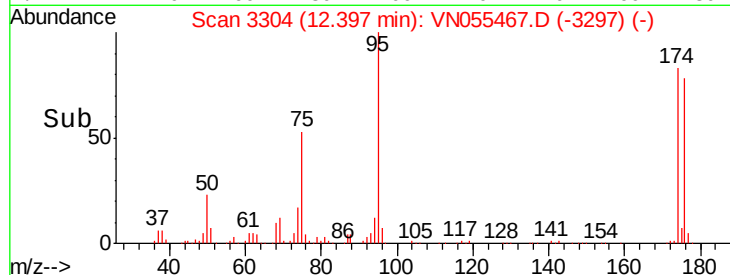
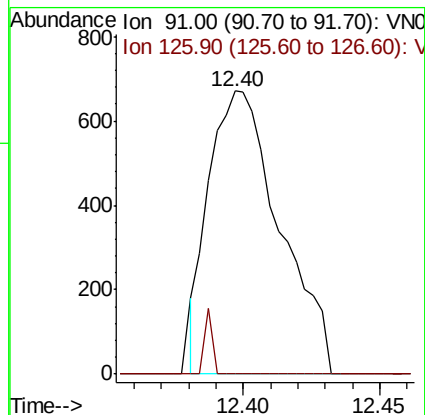
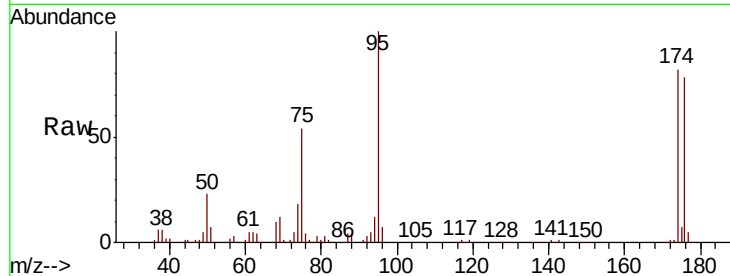
P026-SS003-1218-01

Tot Ion: 91 Resp: 1212

Ion Ratio Lower Upper

91 100

126 2.5 16.6 49.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 132.919 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055467.D

Acq: 8 May 2019 4:31

Tgt Ion: 75 Resp: 126895

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

89 0.0 34.6 51.8#

