

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055462.D
 Acq On : 8 May 2019 2:25
 Operator : JC/SP
 Sample : K2717-12
 Misc : 5.33µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-02

Quant Time: May 08 05:56:33 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	467608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	726195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	594396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	196893	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	304787	49.82	ug/l	0.00
Spiked Amount						
			Recovery	=	99.64%	
35) Dibromofluoromethane	7.59	113	227266	47.68	ug/l	0.00
Spiked Amount						
			Recovery	=	95.36%	
50) Toluene-d8	10.09	98	851256	49.46	ug/l	0.00
Spiked Amount						
			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	264324	49.14	ug/l	0.00
Spiked Amount						
			Recovery	=	98.28%	

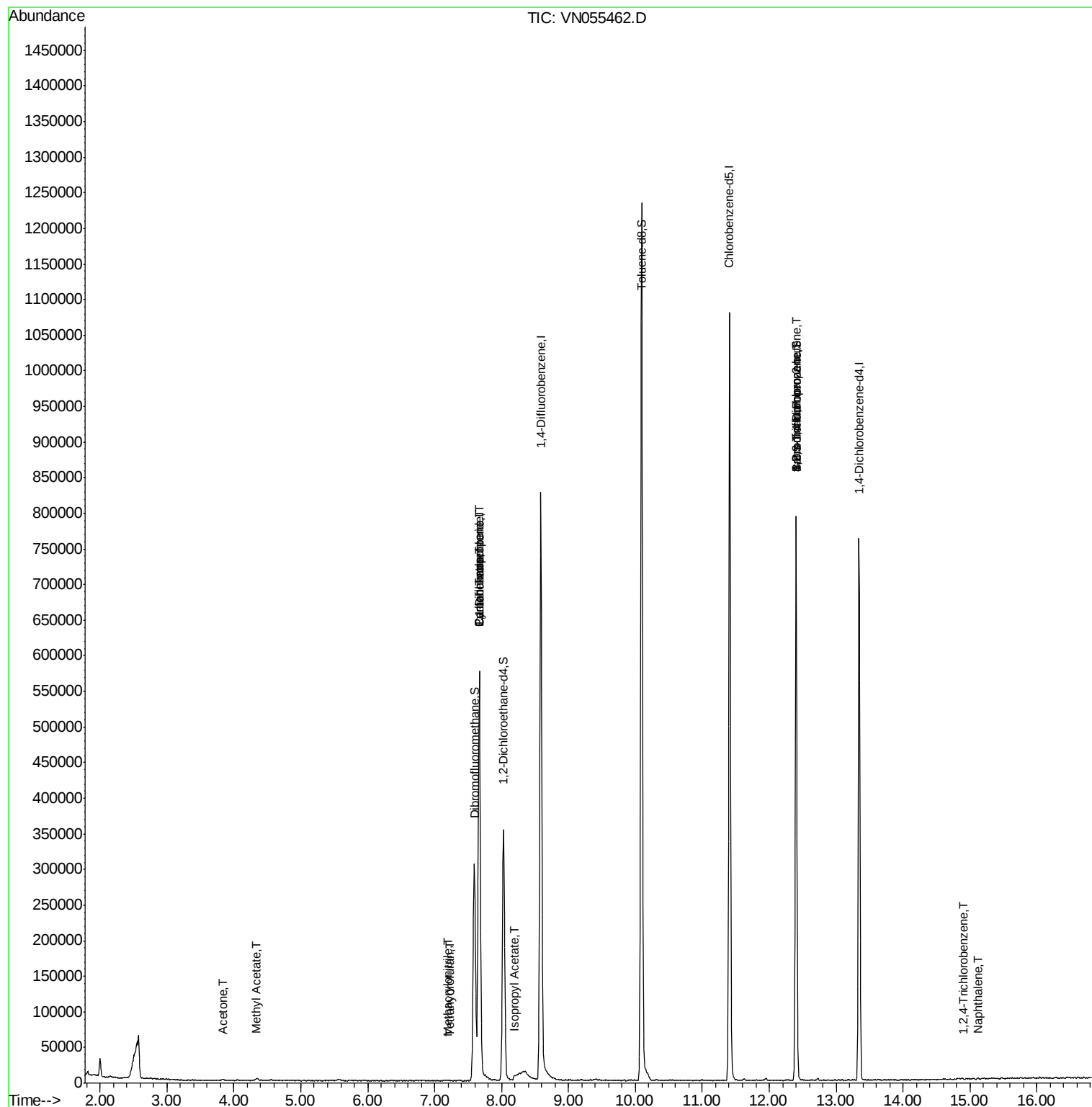
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	706	0.370	ug/l #	45
18) Methyl Acetate	4.34	43	7165	0.518	ug/l #	67
29) Tetrahydrofuran	7.22	42	439	0.281	ug/l #	40
31) Cyclohexane	7.66	56	11017	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	38906	5.593	ug/l #	50
38) Carbon Tetrachloride	7.66	117	45550	6.789	ug/l #	15
41) Methacrylonitrile	7.19	41	63	0.761	ug/l #	1
43) Isopropyl Acetate	8.20	43	4324	0.505	ug/l #	56
71) Bromoform	12.40	173	2283	0.904	ug/l #	1
73) Isopropylbenzene	12.25	105	279	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.40	83	204	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	138021	37.062	ug/l #	100
79) 2-Chlorotoluene	12.67	91	103	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	138021	132.843	ug/l #	7
83) tert-Butylbenzene	13.04	119	34	Below Cal	#	63
93) 1,2,4-Trichlorobenzene	14.91	180	31	3.322	ug/l #	12
95) Naphthalene	15.14	128	184	3.360	ug/l #	69

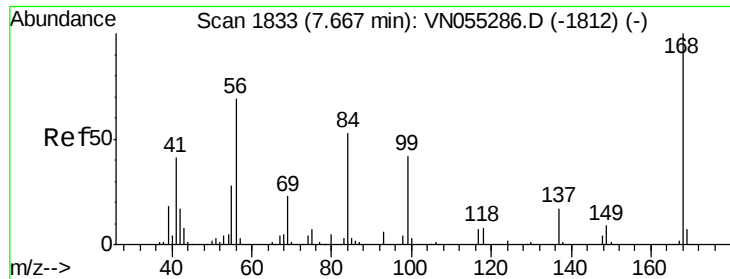
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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P026-SS002-1218-02

Quant Time: May 08 05:56:33 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
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: VN055462.D

Acq: 8 May 2019 2:25

Instrument :

MSVOA_N

ClientSampleId :

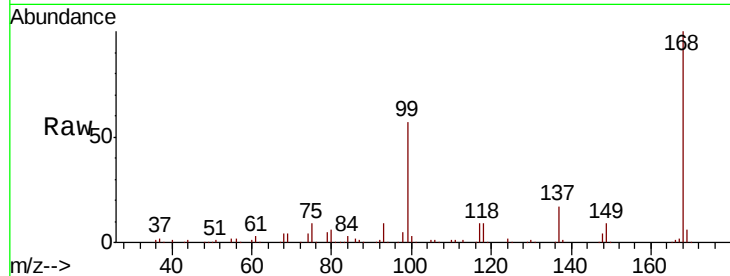
P026-SS002-1218-02

Tot Ion:168 Resp: 467608

Ion Ratio Lower Upper

168 100

99 56.5 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

200000

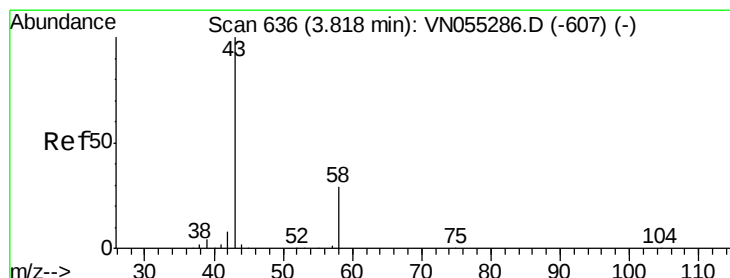
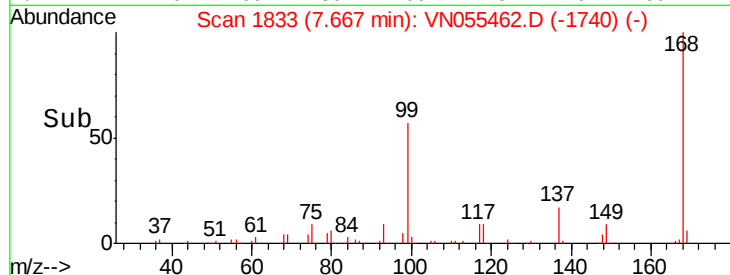
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 0.370 ug/l

RT: 3.83 min Scan# 641

Delta R.T. 0.02 min

Lab File: VN055462.D

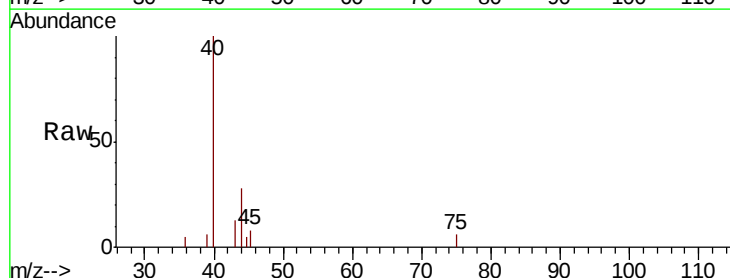
Acq: 8 May 2019 2:25

Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

43 100

58 0.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

500

400

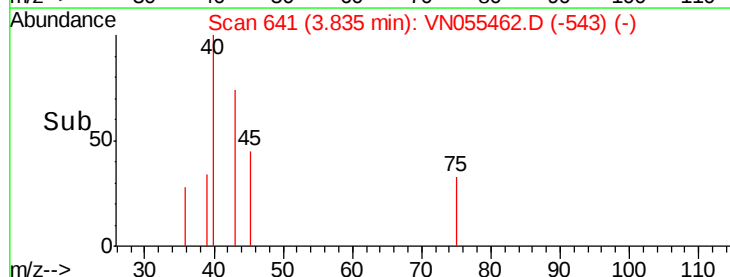
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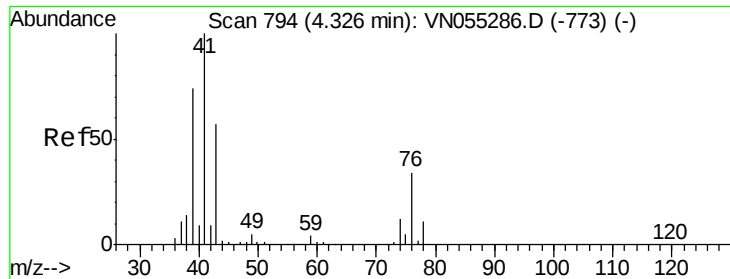
200

100

0

Time-->

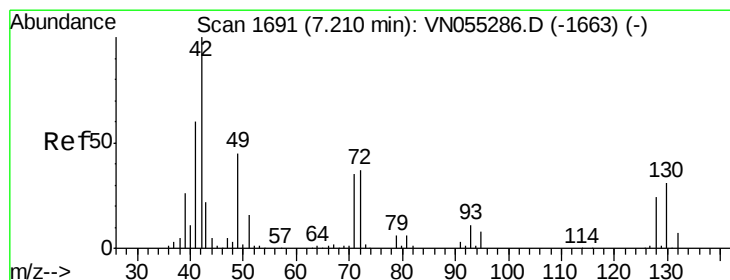
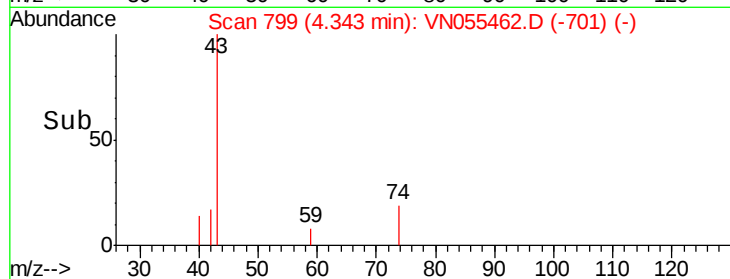
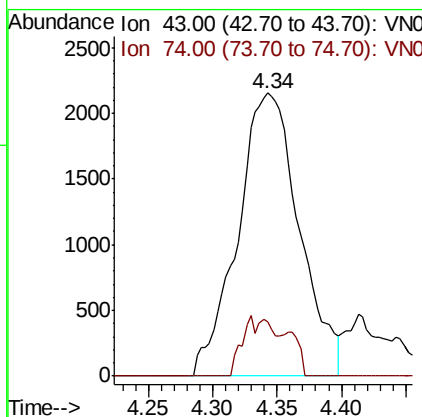
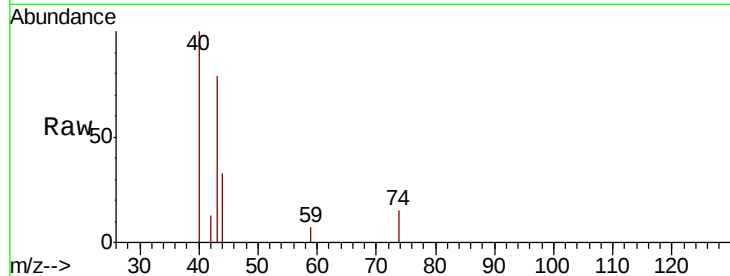




#18
Methyl Acetate
Concen: 0.518 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN055462.D
Acq: 8 May 2019 2:25

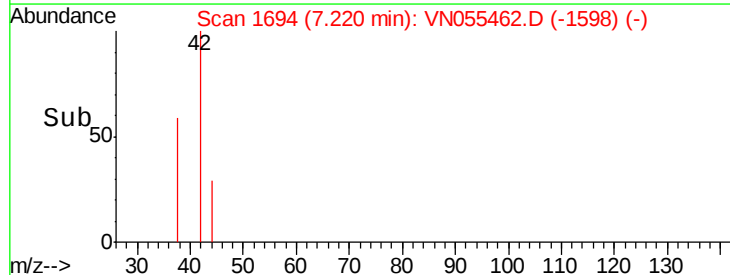
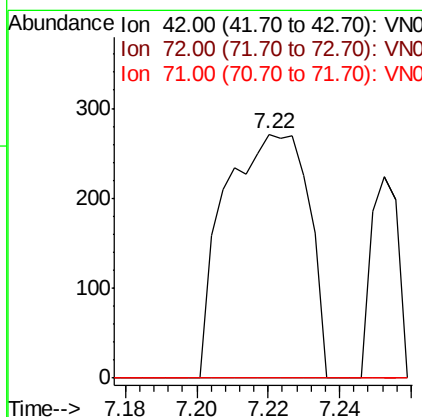
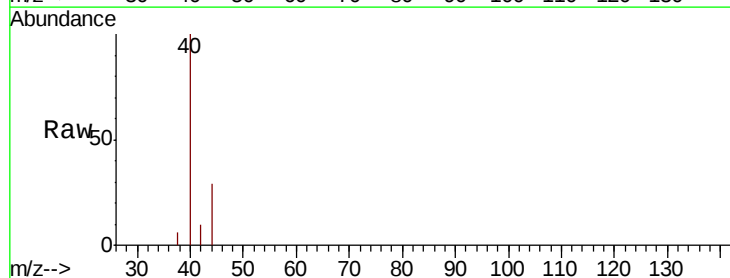
Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-02

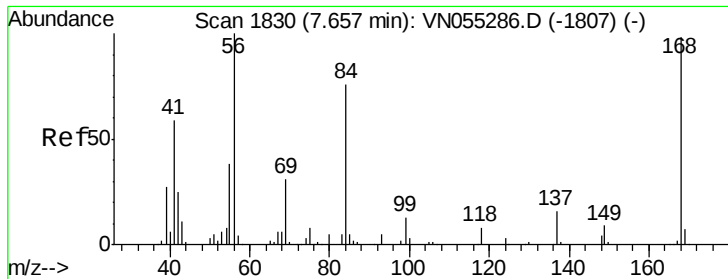
Tot Ion: 43 Resp: 7165
Ion Ratio Lower Upper
43 100
74 4.9 15.8 23.8#



#29
Tetrahydrofuran
Concen: 0.281 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN055462.D
Acq: 8 May 2019 2:25

Tgt Ion: 42 Resp: 439
Ion Ratio Lower Upper
42 100
72 0.0 29.0 43.6#
71 0.0 27.1 40.7#

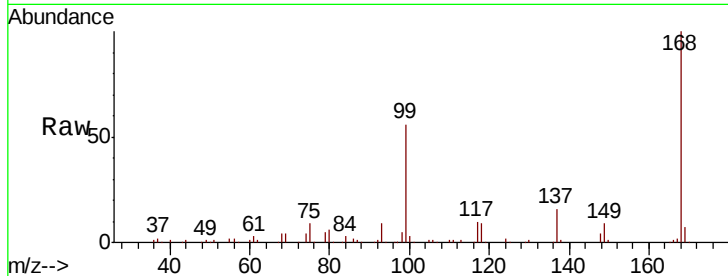




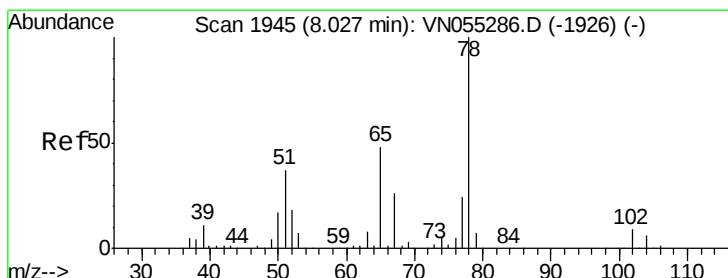
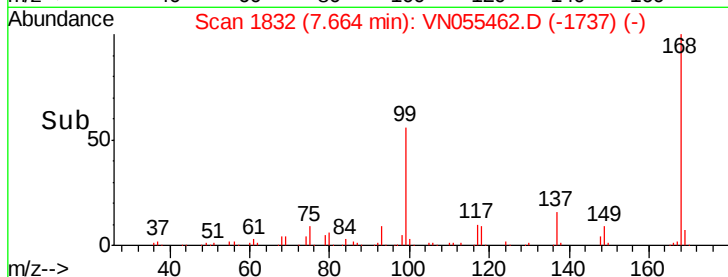
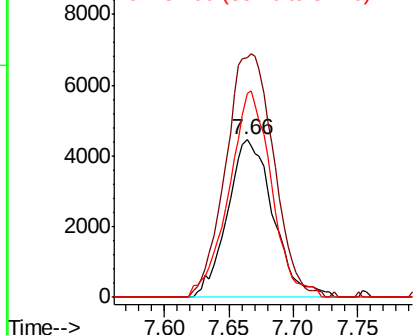
#31
Cyclohexane
Concen: 1.145 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055462.D
Acq: 8 May 2019 2:25

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-02

Tot Ion: 56 Resp: 11017
Ion Ratio Lower Upper
56 100
69 152.8 25.2 37.8#
84 130.0 61.1 91.7#

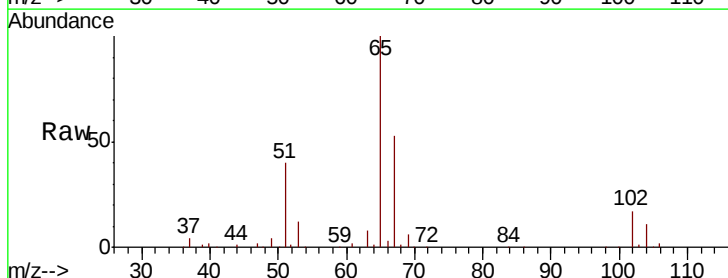


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

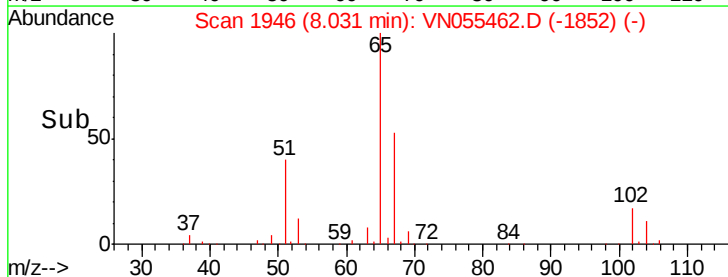
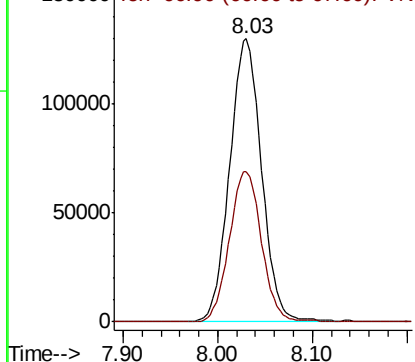


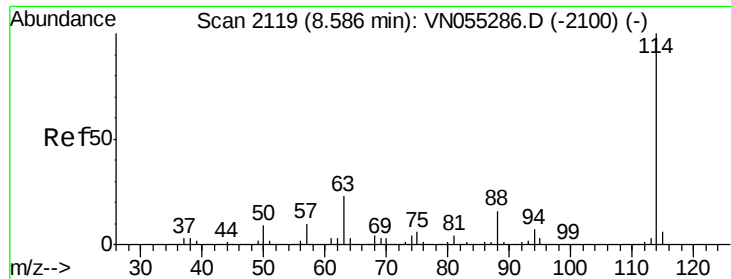
#33
1,2-Dichloroethane-d4
Concen: 49.823 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN055462.D
Acq: 8 May 2019 2:25

Tgt Ion: 65 Resp: 304787
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
150000 Ion 66.90 (66.60 to 67.60): VN0

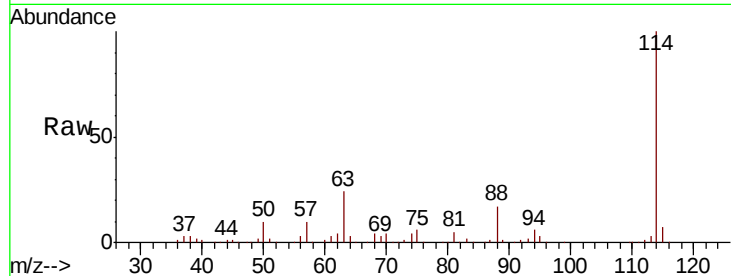




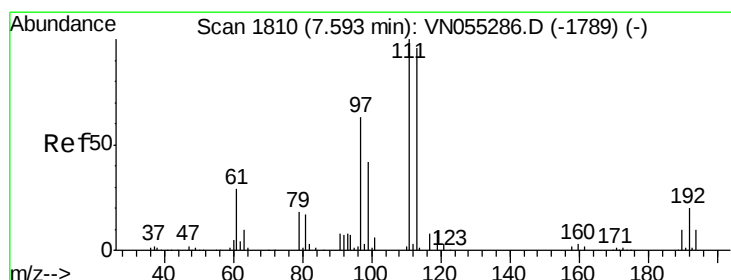
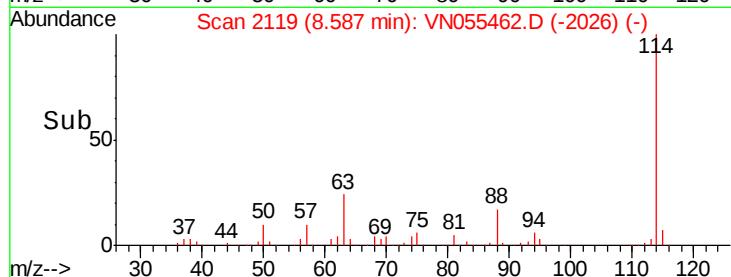
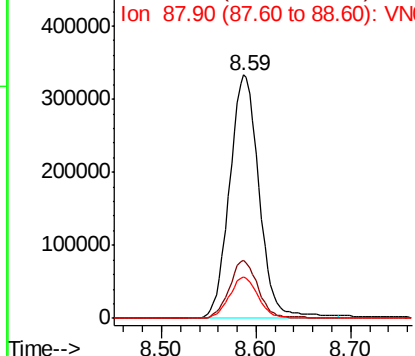
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN055462.D
Acq: 8 May 2019 2:25

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-02

Tot Ion:114 Resp: 726195
Ion Ratio Lower Upper
114 100
63 23.9 0.0 45.2
88 16.9 0.0 31.6

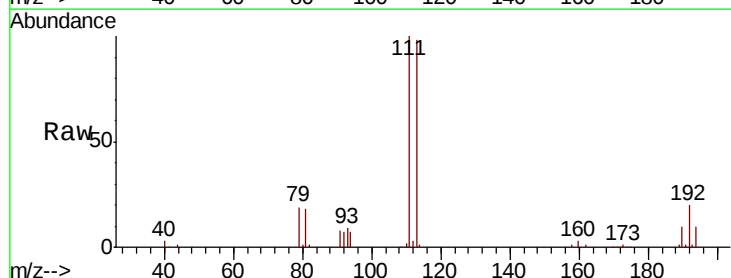


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

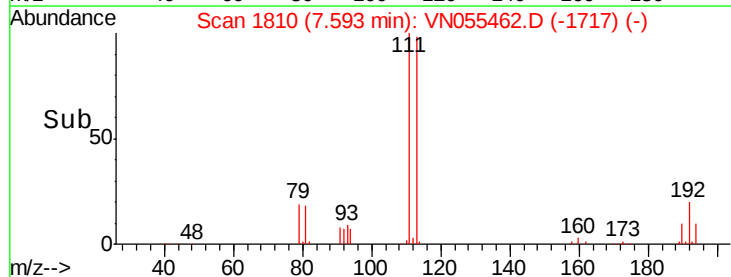
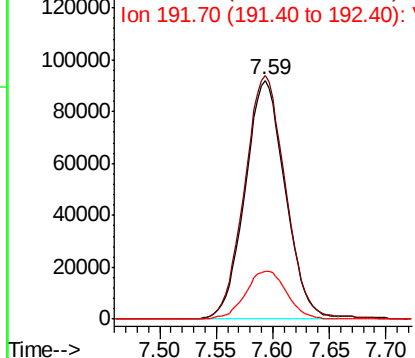


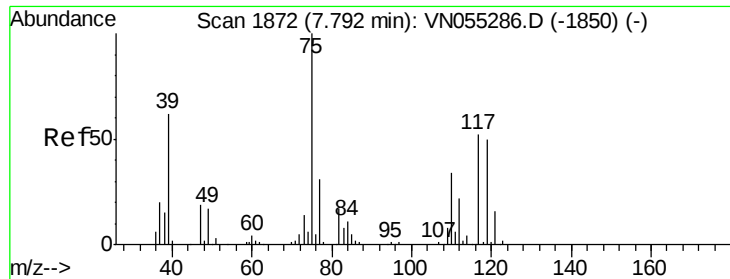
#35
Dibromofluoromethane
Concen: 47.680 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055462.D
Acq: 8 May 2019 2:25

Tgt Ion:113 Resp: 227266
Ion Ratio Lower Upper
113 100
111 104.5 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: 5.593 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN055462.D

Acq: 8 May 2019 2:25

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-02

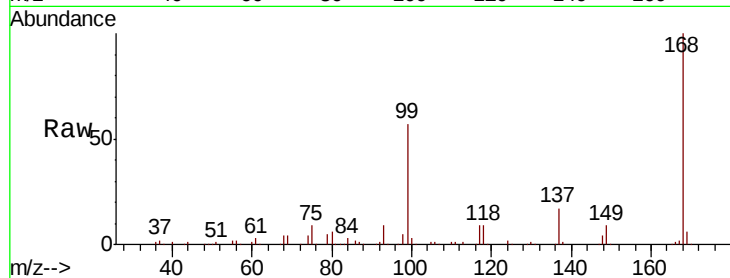
Tot Ion: 75 Resp: 38906

Ion Ratio Lower Upper

75 100

110 8.9 16.8 50.4#

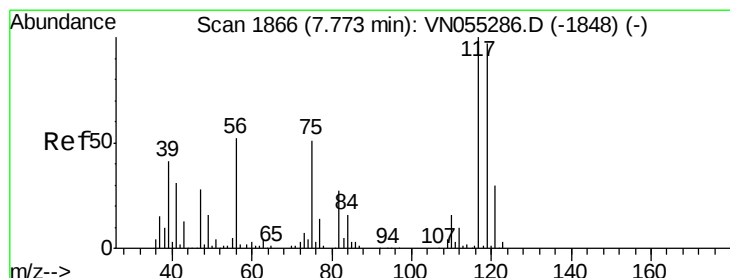
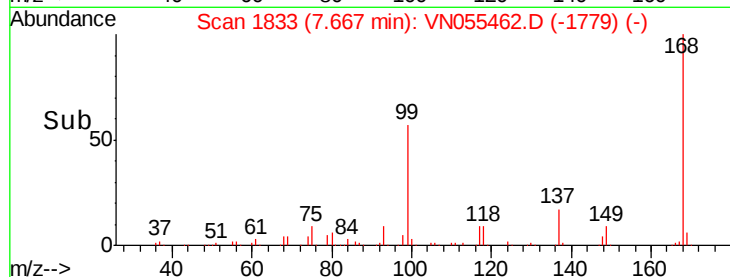
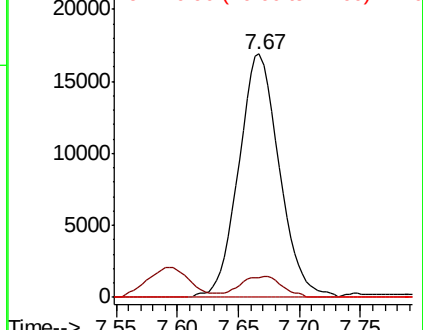
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VN055462.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN055462.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN055462.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 6.789 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055462.D

Acq: 8 May 2019 2:25

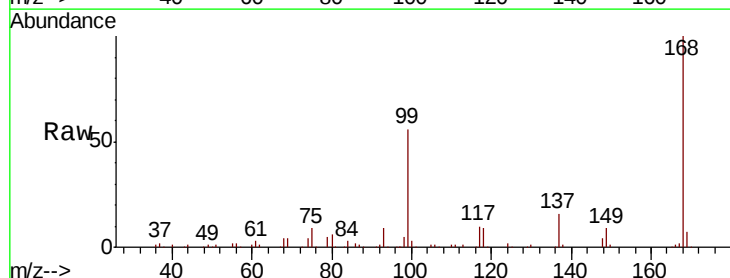
Tgt Ion: 117 Resp: 45550

Ion Ratio Lower Upper

117 100

119 4.7 77.0 115.6#

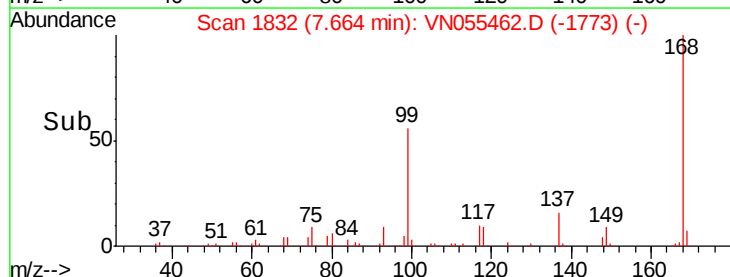
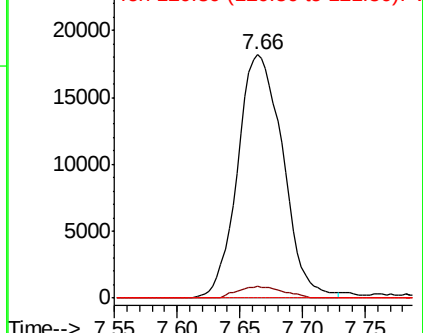
121 0.0 23.8 35.8#

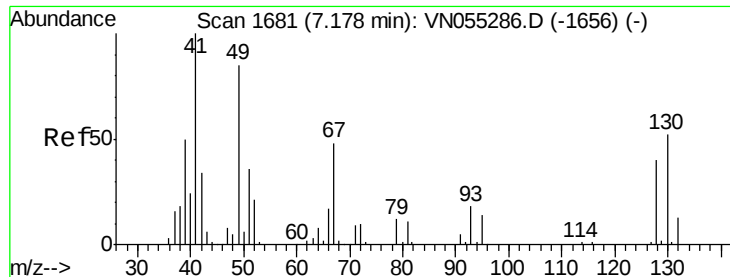


Abundance Ion 116.80 (116.50 to 117.50): VN055462.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN055462.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN055462.D (-1773) (-)

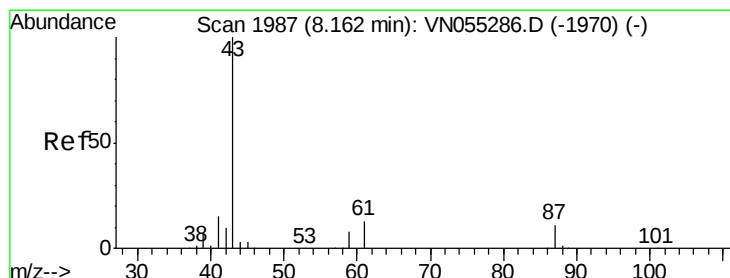
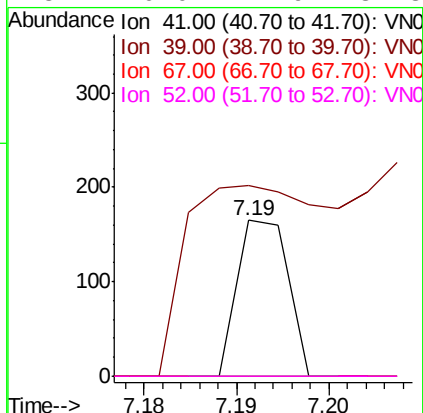
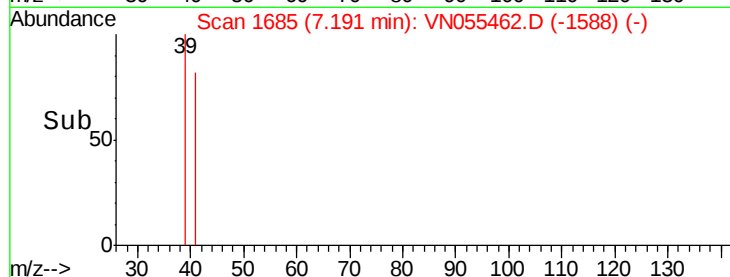
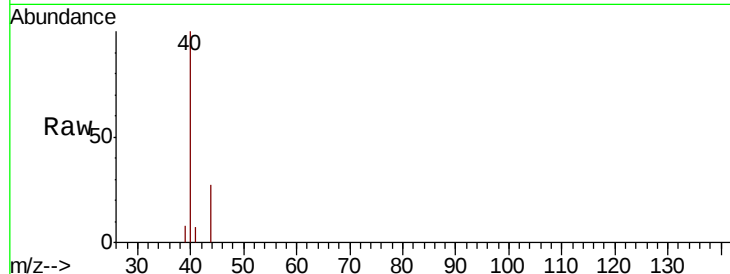




#41
Methacrylonitrile
Concen: 0.761 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN055462.D
Acq: 8 May 2019 2:25

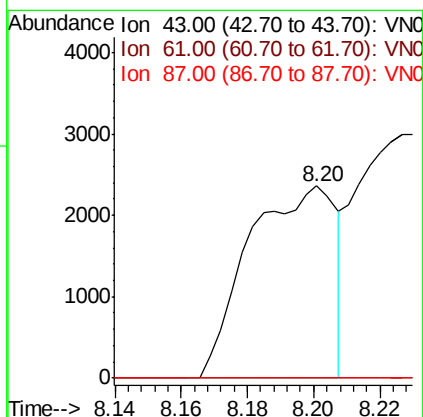
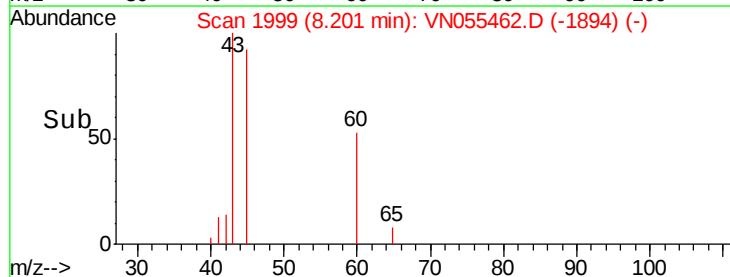
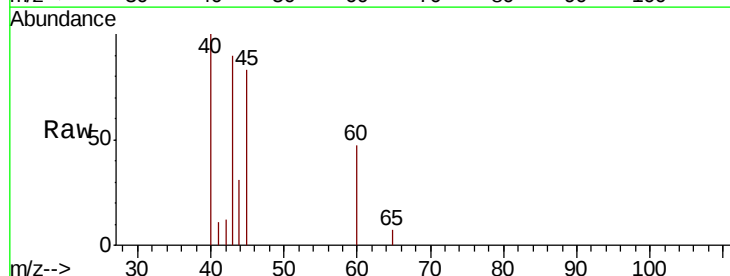
Instrument :
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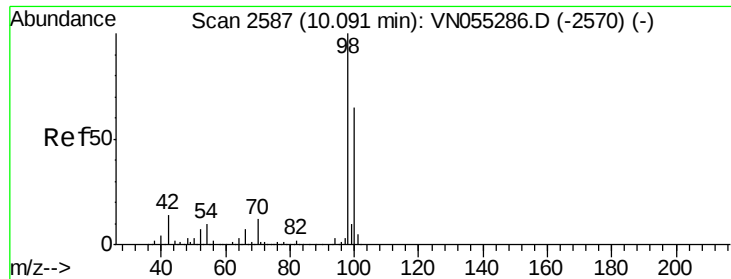
Tot Ion: 41 Resp: 63
Ion Ratio Lower Upper
41 100
39 346.0 48.5 72.7#
67 0.0 54.9 82.3#
52 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 0.505 ug/l
RT: 8.20 min Scan# 1999
Delta R.T. 0.04 min
Lab File: VN055462.D
Acq: 8 May 2019 2:25

Tgt Ion: 43 Resp: 4324
Ion Ratio Lower Upper
43 100
61 0.0 20.8 31.2#
87 0.0 8.5 12.7#





#50

Toluene-d8

Concen: 49.459 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055462.D

Acq: 8 May 2019 2:25

Instrument :

MSVOA_N

ClientSampleId :

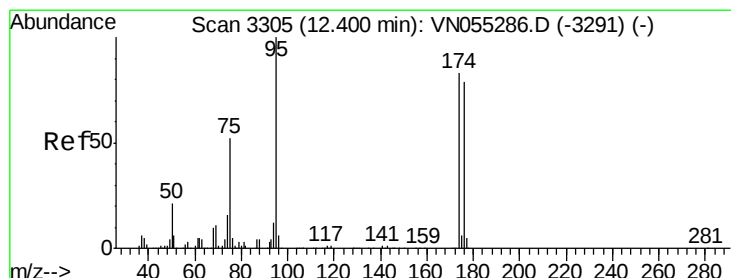
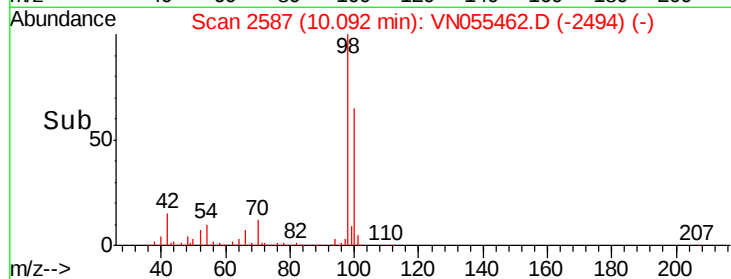
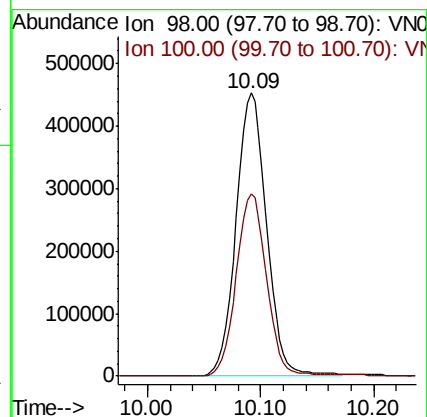
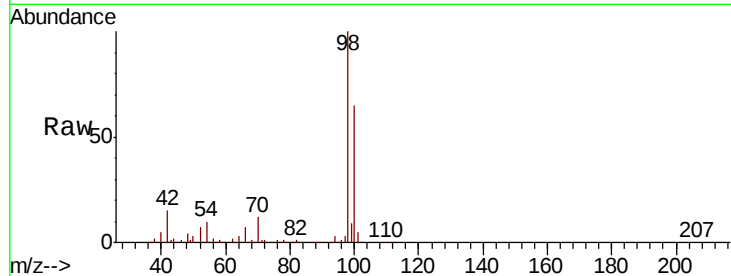
P026-SS002-1218-02

Tot Ion: 98 Resp: 851256

Ion Ratio Lower Upper

98 100

100 64.4 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 49.139 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055462.D

Acq: 8 May 2019 2:25

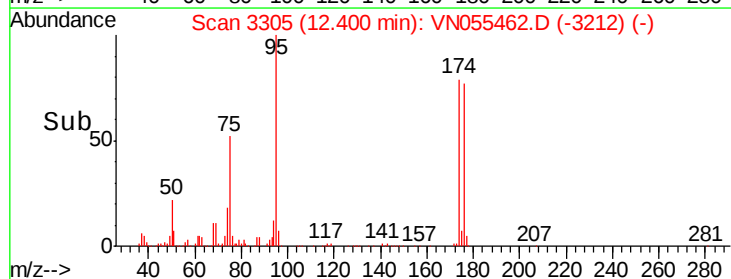
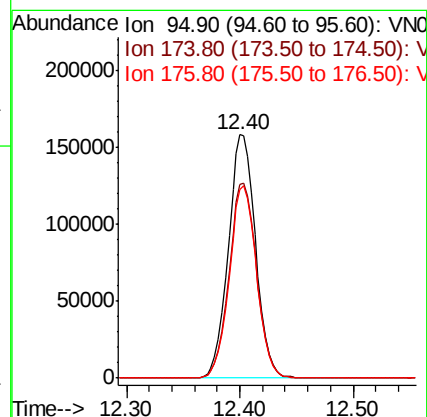
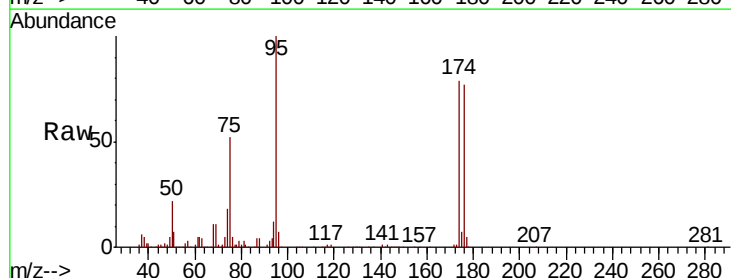
Tgt Ion: 95 Resp: 264324

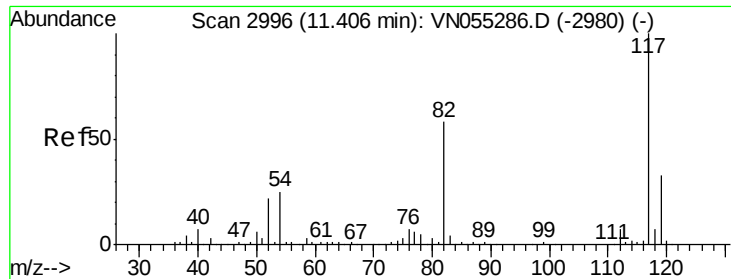
Ion Ratio Lower Upper

95 100

174 81.2 0.0 166.6

176 79.1 0.0 157.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN055462.D

Acq: 8 May 2019 2:25

Instrument :

MSVOA_N

ClientSampleId :

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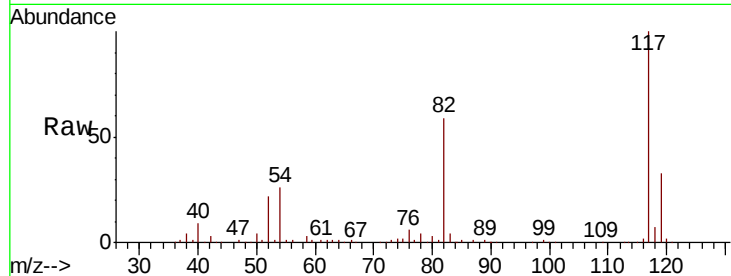
Tot Ion:117 Resp: 594396

Ion Ratio Lower Upper

117 100

82 58.8 46.2 69.4

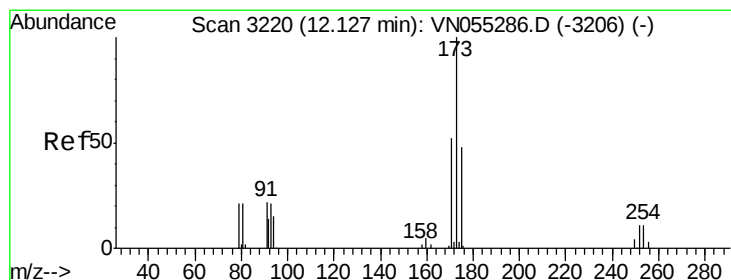
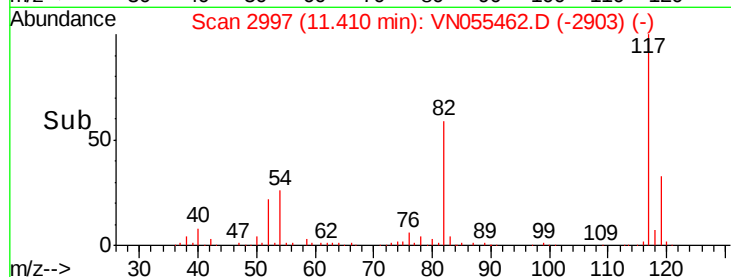
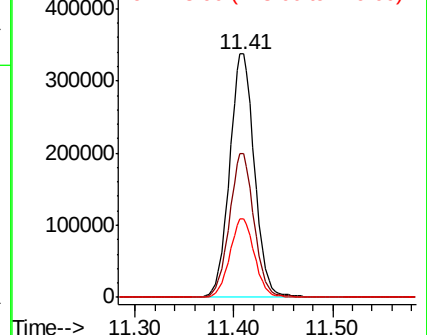
119 32.5 26.6 40.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.904 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055462.D

Acq: 8 May 2019 2:25

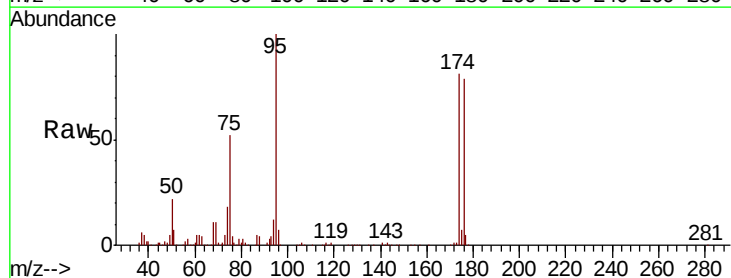
Tgt Ion:173 Resp: 2283

Ion Ratio Lower Upper

173 100

175 651.5 23.6 71.0#

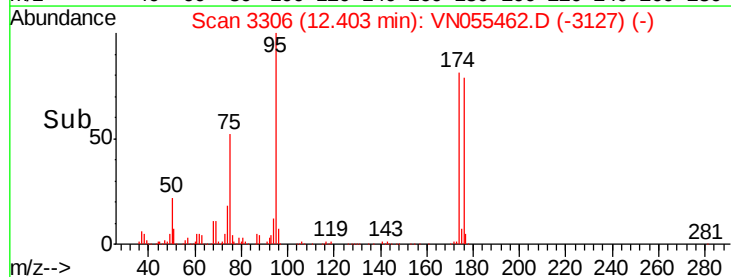
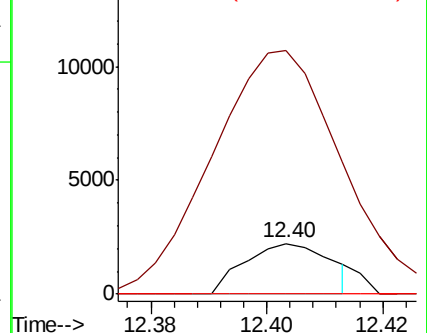
254 0.0 0.0 0.0

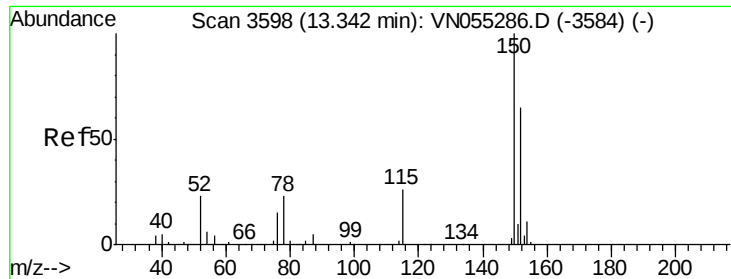


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN055462.D

Acq: 8 May 2019 2:25

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-02

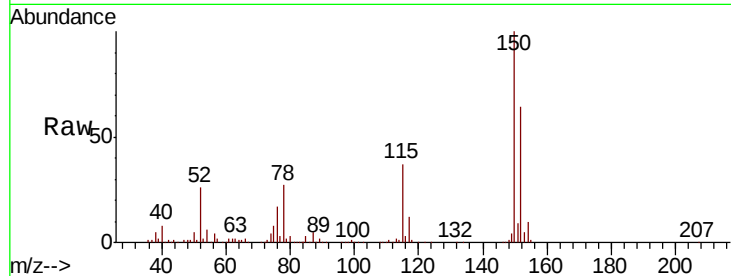
Tot Ion:152 Resp: 196893

Ion Ratio Lower Upper

152 100

115 59.3 29.0 87.0

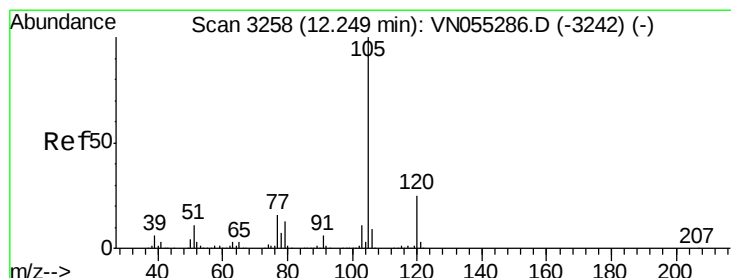
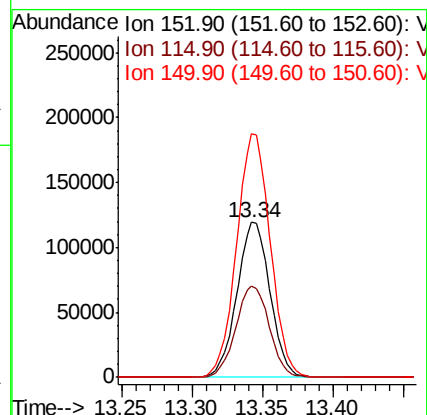
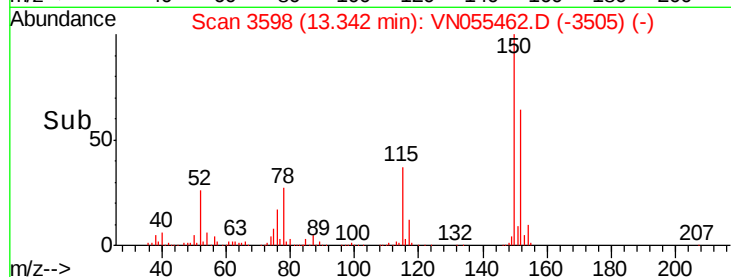
150 159.5 0.0 345.6



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: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055462.D

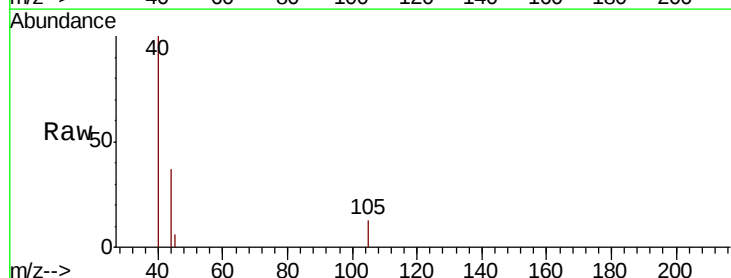
Acq: 8 May 2019 2:25

Tgt Ion:105 Resp: 279

Ion Ratio Lower Upper

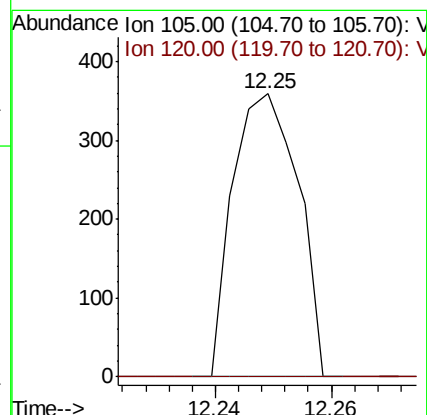
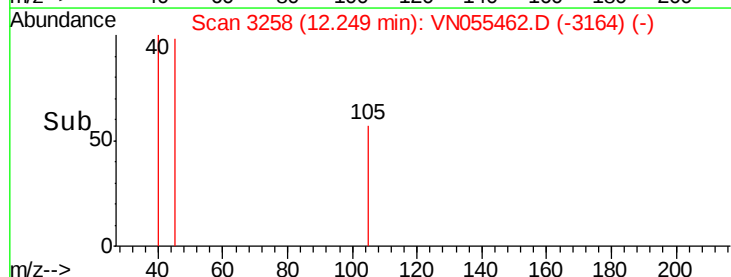
105 100

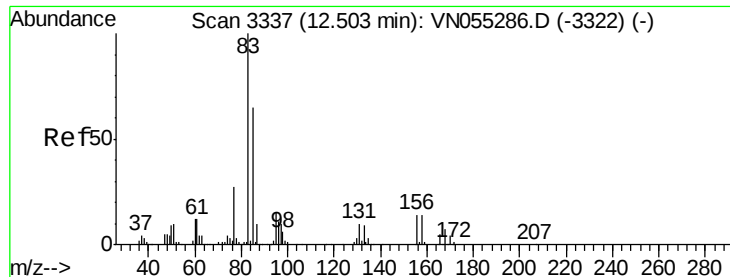
120 0.0 12.9 38.7#



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: VN055462.D

Acq: 8 May 2019 2:25

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-02

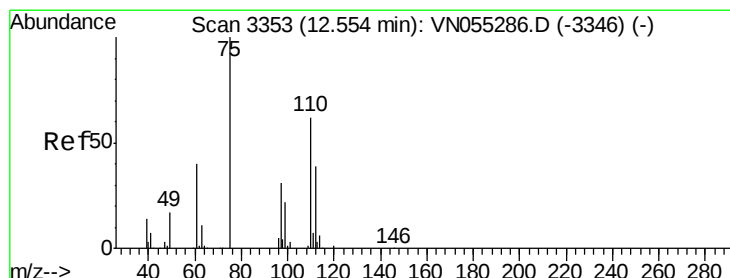
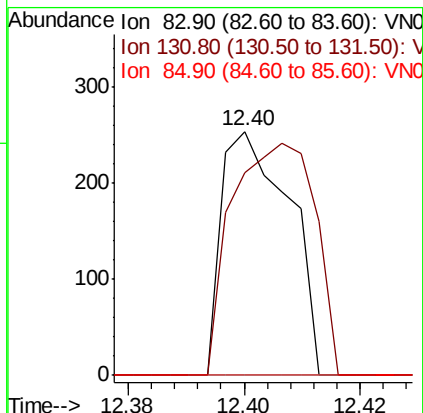
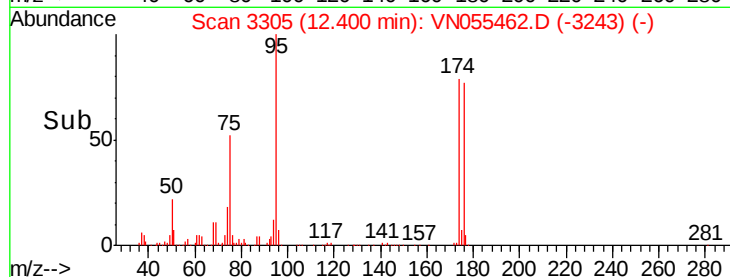
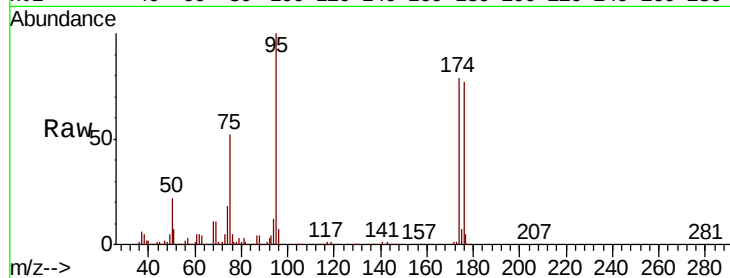
Tot Ion: 83 Resp: 204

Ion Ratio Lower Upper

83 100

131 116.7 5.1 15.2#

85 0.0 32.3 96.8#



#76

1,2,3-Trichloropropane

Concen: 37.062 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055462.D

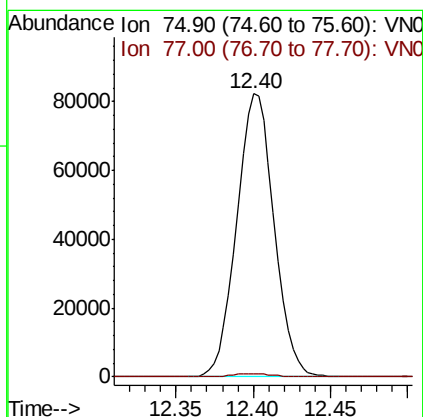
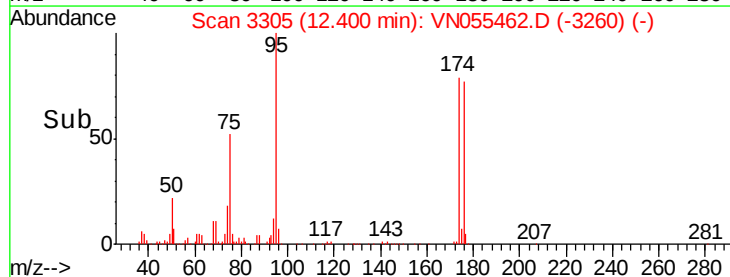
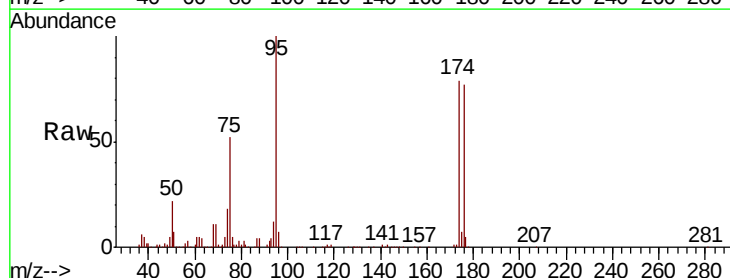
Acq: 8 May 2019 2:25

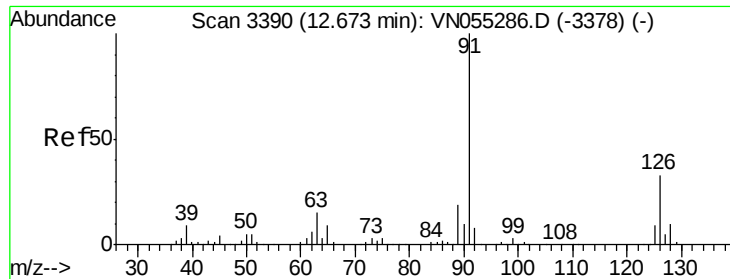
Tgt Ion: 75 Resp: 138021

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3388

Delta R.T. -0.01 min

Lab File: VN055462.D

Acq: 8 May 2019 2:25

Instrument :

MSVOA_N

ClientSampleId :

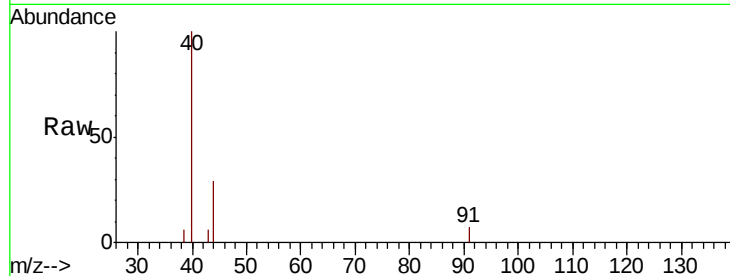
P026-SS002-1218-02

Tot Ion: 91 Resp: 103

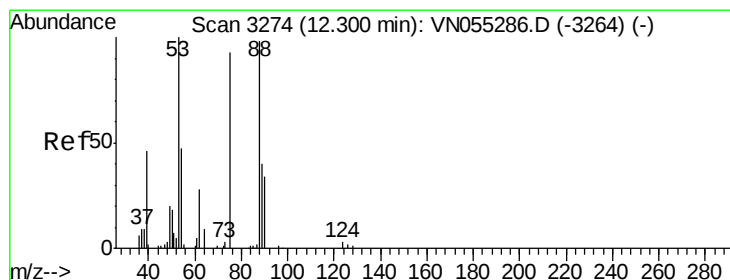
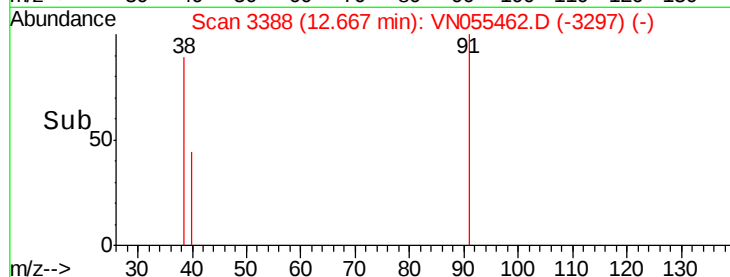
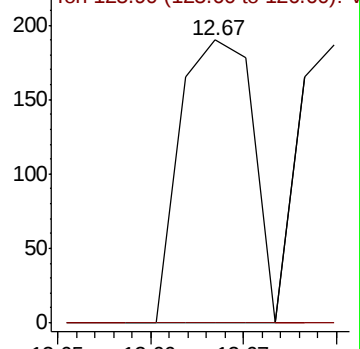
Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 132.843 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055462.D

Acq: 8 May 2019 2:25

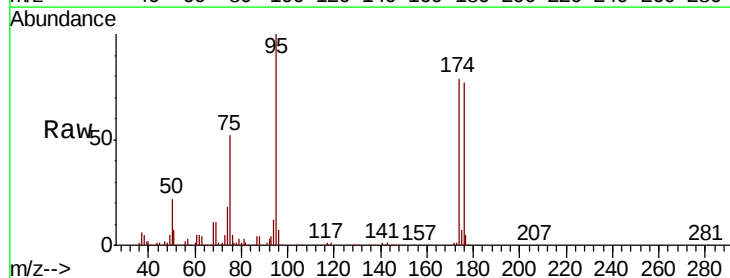
Tgt Ion: 75 Resp: 138021

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

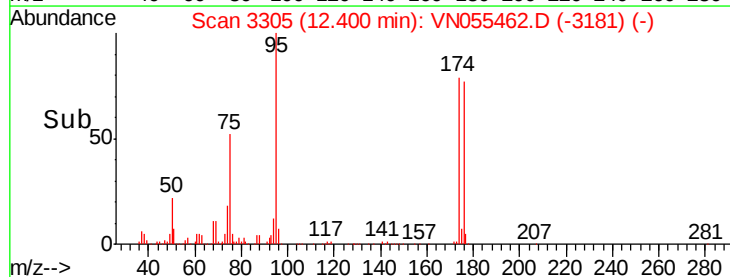
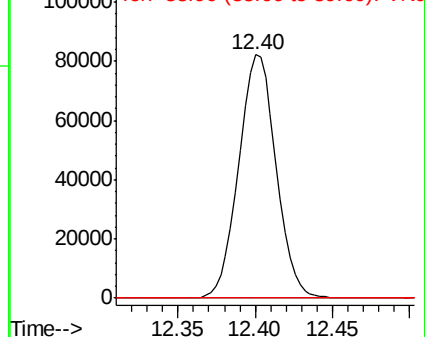
89 0.0 34.6 51.8#

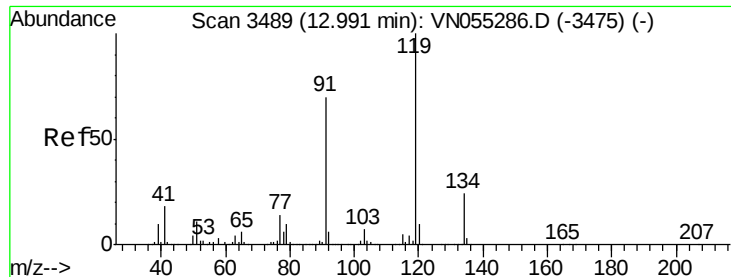


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

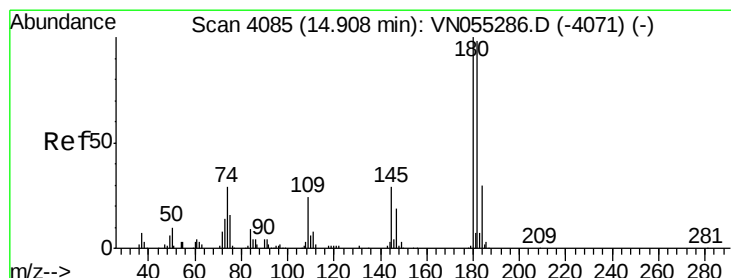
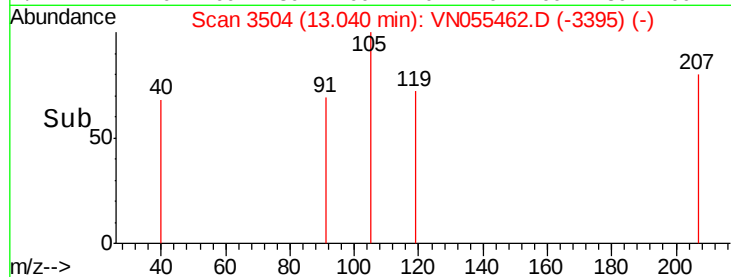
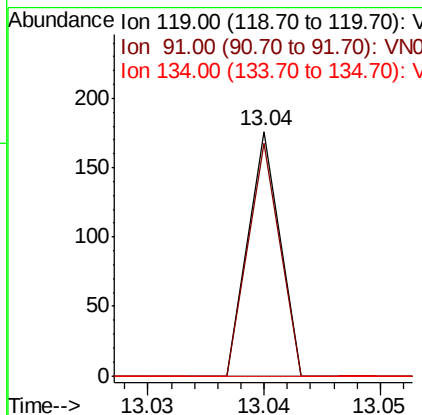
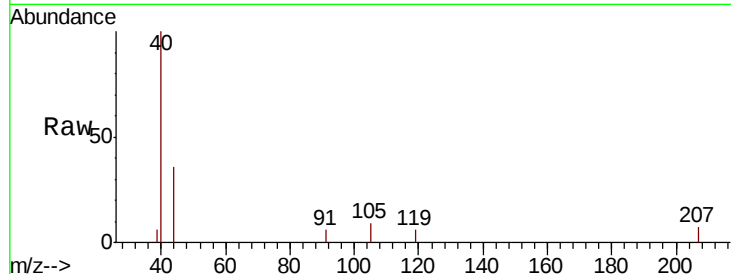




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.05 min
 Lab File: VN055462.D
 Acq: 8 May 2019 2:25

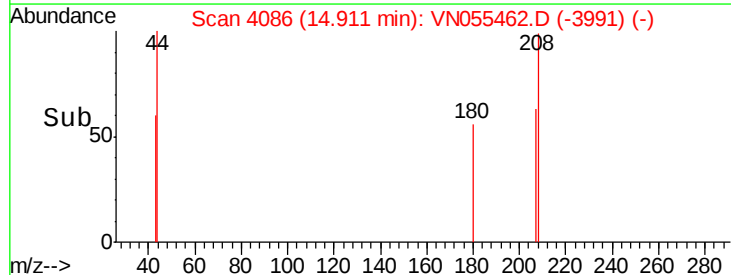
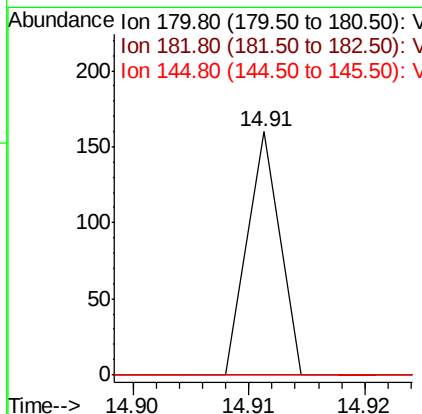
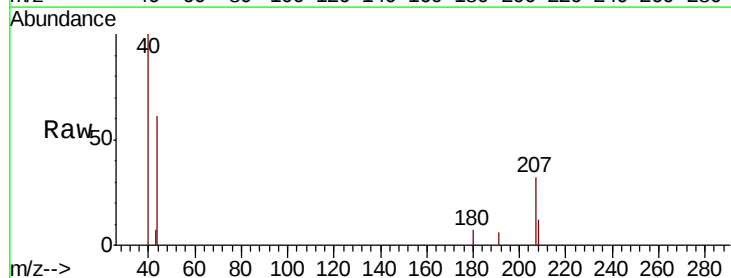
Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-02

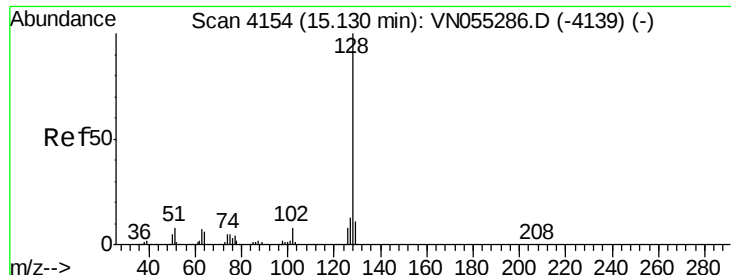
Tot Ion	Ratio	Lower	Upper
119	100		
91	94.1	34.3	102.9
134	0.0	13.1	39.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.322 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055462.D
 Acq: 8 May 2019 2:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.3	144.9#
145	0.0	14.2	42.6#





#95

Naphthalene

Concen: 3.360 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN055462.D

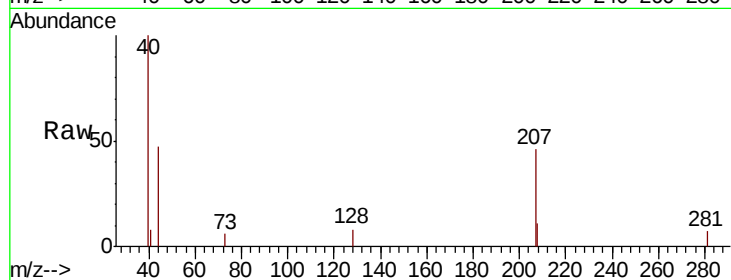
Acq: 8 May 2019 2:25

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-02



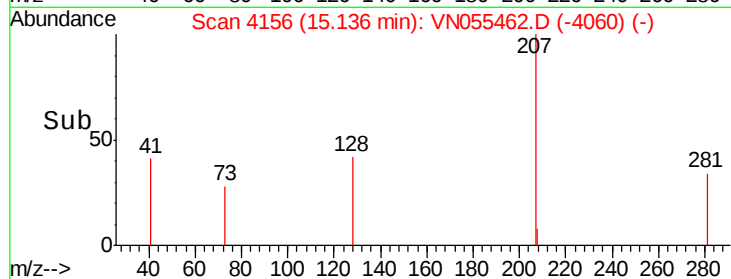
Tot Ion:128 Resp: 184

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

